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UNITED STATES METROPOLITAN MORTALITY 1959-1961

Edward A. Duffy, et al

National Center for Air Pollution Control
Cincinnati, Ohio

1967

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UNITED STATES METROPOLITAN MORTALITY 1959-1961

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Bureau of Disease Prevention and Environmental Control
National Center for Air Pollution Control
Cincinnati, Ohio

1967

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Abridged Edition

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*Included in the Complete Edition only.

In 1957 the Air Pollution Medical Program published tables of standardized mortality ratios for deaths occurring during 1949-1951 in 163 metropolitan areas of the United States (Manos, N.E.: *Comparative Mortality among Metropolitan Areas of the United States, 1949-1951,* Public Health Service Publication No. 562, US Government Printing Office, Washington, DC, 1957). The present volume has been prepared to help fill the need for more detailed information about recent variations in mortality among urban areas. Rates for selected causes have been computed for 201 standard metropolitan statistical areas from 1959-1961 mortality data supplied by the National Center for Health Statistics and population data from the 1960 Census of Population.

This Abridged Edition contains the Introduction and Tables 1, 2, 3, and 5. Table 4, a detailed tabulation of age-specific deaths and rates, is not included. However, references to Table 4 have been retained in the Introduction.

A limited number of copies of the Complete Edition are available to research workers who specifically request them. Copies for reference are being made available to university and other libraries.

UNITED STATES
METROPOLITAN MORTALITY
1959 - 1961

INTRODUCTION

CLASSIFICATION OF DATA

Cause of Death Categories

Cause of death coding is based on the International Classification of Diseases as listed in the seventh revision of the *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* (ISC), World Health Organization, Geneva, 1957.

To satisfy all users of a volume such as this, data for all the reported causes of death should be included, but sheer size and cost made some selection of data necessary. An attempt was made to avoid broad, general categories that would have limited usefulness to research workers. Also, disease categories with small numbers of deaths were usually not included. Infectious diseases that are under intensive surveillance by the Public Health Service and for which statistics are already available also were not included (e.g. infectious hepatitis and poliomyelitis). Categories of cancer mortality were made as specific as possible. At times, however, desired specificity could not be achieved because of limitations in the basic data. For example, malignant melanomas could not be separated from other malignant neoplasms of the skin. Whenever possible, all the sub-categories of more general groups have been included so that comparisons can be made with other data sources that are not as detailed.

The causes of death used for tabulation are listed on page xi. This list also indicates those categories that may be combined to recreate categories of the International Statistical Classification's "Intermediate List of 150 Causes" and "Abbreviated List of 50 Causes."

Standard Metropolitan Statistical Areas

The standard metropolitan statistical areas (SMSA's) used in this report are identical to those used by the National Center for Health Statistics (NCHS) in their vital statistics publications for the same years. Thus, except in the New England states, the SMSA's are the same as established by the Bureau of the Budget and used by the Bureau of the Census.

Basically, an SMSA is a county or group of contiguous counties that meets certain criteria of population size, metropolitan character, and economic and social integration with the central city. In the New England states of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont, however, towns and cities, rather than counties, are the units used by the Bureau of the Budget to define SMSA's. Because vital statistics are not coded to identify all towns, for these New England states the metropolitan state economic areas (MSEA's), which are made up of county units, are used. Because of these changes in the New England states, NCHS has only 201 areas listed instead of the 212 SMSA's of the 1960 census. A list of the 201 areas used in this report and the counties within them follows this introduction (p. xii).

Age Groups

Age classification for the population data is based on age in completed years on April 1, 1960, as reported in the 1960 census. Evidence exists that some age groups, particularly in the nonwhite population, were significantly underenumerated in the census,[1] but specific correction factors were not available when the tables for this volume were prepared. Age for the mortality data is the age of the decedent on his last birthday as reported on the death certificate.

In addition to inaccuracies in original reporting from both sources, the difference in definition of age for deaths and population may produce biased rates. For example, a person dying before April 1, 1960, is not counted in the census. The extent to which these differences affect the rates is not clearly defined, but is usually small. The problem becomes obvious in age groups with small numbers. In a few instances, deaths were reported for

[1]Siegel, J. S. and Zelnik, M.: *An Evaluation of Coverage in the 1960 Census of Population by Techniques of Demographic Analysis and by Composite Methods*, American Statistical Association: Proceedings of the Social Statistics Section, 1966, pp. 71-85.

a group with no census population, for example, the older non-white females of Dubuque, Iowa.

Color

As designated in the 1960 census and vital statistics, the color category "white" includes, in addition to persons reported as "white," those reported as Puerto Rican or Mexican. The color group "non-white" includes the Negro, Indian, Japanese, Chinese, Filipino, Korean, Asian Indian, and Malayan population.

Place of Residence

The tabulated deaths are those allocated to places of residence within the SMSA's. In general, deaths are allocated to the usual place of *residence* as reported on the death certificate. However, if the decedent resided more than 1 year at the place of *occurrence* of death, the death is allocated to the county of occurrence. All institutional deaths are allocated to the usual place of residence before admission, regardless of length of stay.

The definition of usual place of residence for the 1960 census is slightly different. College students and long-term inmates of institutions are counted in the census as residents of the area in which the institution or college is located. Deaths of such persons, however, are usually allocated back to the place of residence before admission. The effect on rates of this difference in definitions is probably very small, but may become important for some diseases in certain areas.

COMPUTATION OF RATES

Table 1 -- Observed Deaths and Indirect Age-adjusted Expected Deaths and Yearly Rates per 100,000.

In order to remove the effect of differences in age composition among the cities, age-adjusted rates were calculated for each sex and color group by cause. The adjustment was made by the indirect method to the standard of the age-specific rates for all 201 SMSA's combined for that cause. A list of the standard rates used is on page xiv. The method of calculation is shown below for lung cancer (162-163) in Abilene, Texas.

CALCULATIONS FOR INDIRECT AGE ADJUSTMENT*

	Neoplasm bronchus, trachea, lung				
		Abilene, Texas			
		White Males		White Females	
Age-group, yr	Age-specific standard rate per 100,000 (a)	Population 1960 (b)	Expected deaths using std rates 3 x (a) x (b) / 100,000	Population 1960 (d)	Expected deaths using std rates 3 x (d) x (a) / 100,000
0-4	0.03	6,948	0.01	6,729	0.01
....	.....	.....	.....	.....	.....
....	.....	.....	.....	.....	.....
55-64	83.87	3,916	9.85	4,498	11.32
65-74	122.81	2,507	9.24	3,031	11.17
75-84	105.34	1,078	3.41	1,543	4.88
85+	73.66	227	0.50	322	0.71
All ages (i)	22.26	57,137	Sum=30.3	57,371	Sum=35.3
Total observed in 3-year period (ii)			36		8
Ratio of observed to expected (iii) = (ii)/(i)			1.188		0.227
Indirect adjusted rate (iii) x (All age standard)		22.26 x 1.188 = 26.44		22.26 x 0.227 = 5.04	

*Expected deaths printed in Table 1 are rounded numbers and will not produce age-adjusted rates identical to those shown in the table.

CALCULATIONS FOR DIRECT AGE ADJUSTMENT

Age-group, yr	Standard million U.S. 1960 (a)	Neoplasm bronchus, trachea, lung Abilene, Texas, White Males 1959-1961 Number of deaths (b)	Population 1960 (c)	Age-specific rate (per 100,000) $(d) = \frac{(b)}{3 \times (c)}$	Expected deaths in standard million $\frac{(a) \times (d)}{100,000}$
0-4	113,320	0	6,948	0	0
....	....	....	....	....	....
....	....	....	....	....	....
55-64	86,839	12	3,916	102	88.6
65-74	61,324	10	2,507	133	81.6
75-84	25,839	4	1,078	124	32.0
85+	5,182	1	227	147	7.6
All ages	1,000,000	36	57,137	21*	Sum=268.2
Age 65+	92,345	15	3,812	131*	Sum=121.2

Total age-adjusted rate $= \frac{268.2}{1,000,000} \times 100,000 = \underline{26.8}$

Age 65+ age-adjusted rate $= \frac{121.2}{92,345} \times 100,000 + \underline{131.2}$

*Crude total rates, not shown in Table 4.

Table 2 — SMSA 1960 Live Births and 1960 Census Enumeration by Age, Color, and Sex.

The 1960 live births and population by age, color, and sex for each of the 201 SMSA's are shown as used for calculation of rates in this report. Except for the New England SMSA's as explained above, these figures are identical to those published in the 1960 Census of Population.

Table 3 — Infant and Neonatal Deaths and Mortality Rates per 1,000 Live Births by SMSA, Color, and Sex.

Since the majority of infant and neonatal deaths are attributed to a limited number of causes, they are presented in this separate table. Neonatal mortality is expressed as deaths under 28 days of age per 1,000 live births. It is calculated by dividing the number of deaths for 1959-1961 by three times the number of 1960 live births, and multiplying by 1,000.

Infant mortality rates (deaths under 1 year of age per 1,000 live births) are calculated similarly.

Table 4 — Deaths and Death Rates per 100,000 per Year by SMSA, Cause, and Age.

Age-specific rates are computed by dividing the number of deaths in 1959-1961 by three times the 1960 population for that age group and multiplying by 100,000.

The total rates and those for age 65+ are age-adjusted by the direct method to the standard of the 1960 total U.S. population expressed as a "standard million" (p. xvi). That part of the standard million in the three age groups 65 and over was used as a standard for the age 65+ adjusted rate. The method of calculation is shown above for white males in Abilene, Texas.

Table 5 — Total Deaths and Death Rates per 100,000 by SMSA, Color, and Sex.

Age-specific and direct-adjusted total rates are shown for all causes of death combined. Because all cause categories are not tabulated in Tables 1 and 4, these totals are greater than the sum of the causes listed.

The calculation methods are the same as for Table 4.

The neonatal and infant death rates for all causes are calculated similarly to those in Table 3, except that they are expressed as deaths per 100,000 live births, instead of per 1,000.

INTERPRETATION AND USE OF TABLES

Table 1 — Observed Deaths and Indirect Age-adjusted Expected Deaths and Yearly Rates per 100,000.

The most accurate and detailed analysis of variation in mortality among cities can only be carried out by study of age-, sex-, and color-specific rates. Often, however, summary rates are convenient and desirable for comparison of mortality among areas. Comparison of crude mortality rates (total deaths divided by total population) can be biased if there are differences in the age composition of the communities. Thus, an area with a large proportion of its population in the older age groups would be expected to have a high crude death rate from a cause that increases with age.

Age-adjustment is one method used to improve the comparability of rates. In the "indirect method" used for Table 1, the number of expected deaths is calculated as if the SMSA had for each age group the same rate as all the SMSA's combined. Division of the observed number of deaths by this expected number provides a standardized mortality ratio (SMR), which compares that area's experience with the average for all SMSA's.* To provide an indication of absolute, as well as relative mortality, age-adjusted rates have been computed by multiplying each SMR by the all age standard rate for that cause (See calculation section).

Tabulation in Table 1 of numbers of observed and expected deaths as well as rates allows the user to combine categories in several ways.

Within a single cause, direct comparisons may be made among any of the tabulated rates. Thus, the Abilene, Texas, white male coronary rate (263.52) may be compared with the rate for Akron white females (167.20), as shown below in excerpts from Table 1.

A rate for combinations of sex and color categories within a single cause group may be obtained by finding the ratio of the summed observed and expected numbers and multiplying by the all age standard printed at the bottom of the table.

For example, the Abilene rate for coronary heart disease for all males is:

$$\frac{\text{Sum observed}}{\text{Sum expected}} \times \text{Standard} =$$

$$\frac{360 + 4}{379.1 + 15.4} \times 277.51 = 256.05$$

Since the tabulated cause groups are often very specific, many readers will want age-adjusted rates for several combined causes. Such rates may be calculated in a manner similar to the above by finding the ratio of the sum of observed deaths to the sum of those expected, and multiplying by the sum of the all age standard rates for the several causes.

*These SMR's are not comparable to those published for 1949-1951 mortality because different age-specific standard rates were used to compute the expected deaths.

EXCERPTS FROM TABLE 1

Arteriosclerotic heart disease, including coronary disease (I.S.C. 420)

White male			White female			SMSA	Non-white male			Non-white female		
Exp.	Obs.	Rate	Exp.	Obs.	Rate		Exp.	Obs.	Rate	Exp.	Obs.	Rate
379.1	360	263.52	476.3	199	115.95	Abilene	15.4	4	72.03	16.7	8	133.15
1744.4	2388	379.90	2071.3	1248	167.20	Akron	96.4	99	285.06	100.5	56	154.64
....	....	....	....	....	....		....	....	....	....	....	....

All age standard rate = 277.51

Chronic endocarditis not specified as rheumatic, and other myocardial degeneration (I.S.C. 421, 422)

White male			White female			SMSA	Non-white male			Non-white female		
Exp.	Obs.	Rate	Exp.	Obs.	Rate		Exp.	Obs.	Rate	Exp.	Obs.	Rate
40.0	21	15.18	52.8	17	9.32	Abilene	1.6	1	18.11	1.8	3	47.91
167.3	133	23.00	216.0	143	19.15	Akron	8.7	7	23.31	9.6	9	26.98
....	....	....	....	....	....		....	....	....	....	....	....

All age standard rate = 28.93

For example, the Abilene white male rate for ISC categories 420-422 combined would be:

$$\frac{\text{Sum observed}}{\text{Sum expected}} \times \text{Sum standards} =$$

$$\frac{360 + 21}{379.1 + 40.0} \times (277.51 + 28.93) = 278.58$$

An overall age-adjusted rate for several cities combined might be desired. For example, SMSA's in the Pacific region could be compared to those in the Atlantic states. The computation is the same as given above for combining color and sex groups.

The age-adjusted rates or even the ranking of cities produced by the above methods should not be considered as absolute. A different method of adjustment or a different set of standard rates would undoubtedly produce somewhat different results. Age-adjustment may be considered as one method of deriving a weighted average of the age-specific rates, which are given in Table 4. Different systems of weighting produce different averages. In general, if age-specific rates in all age groups are higher in City A than in City B, any system of adjustment will produce a higher adjusted rate for City A. If, however, a city has higher age-specific rates than another in certain age groups only, then different methods of age-adjustment may change their relative ranking. In this case, one method is really no more correct than another, since the decision as to which city has the higher mortality depends on which age groups are considered.

The age-adjusted rates in Table 1 and Table 4 are not identical, since they are computed by different methods. Linder and Grove[2] have extensively reviewed the problems of different mortality indexes. One approach in comparing the indirect method (Table 1) with the direct method (Table 4) is to consider two hypothetical cities under different situations shown in the figure.

[2]Linder, F. E., and Grove, R. D.: *Techniques of Vital Statistics*, Reprint of Chapters I-IV of *Vital Statistics in the United States 1900-1940*, National Office of Vital Statistics, Washington, D.C., June 1959.

Situation I:

a. The age-specific rates are quite variable from age to age, BUT

b. The percent distributions of the two *populations* are identical, AND

c. The crude death rates are identical.

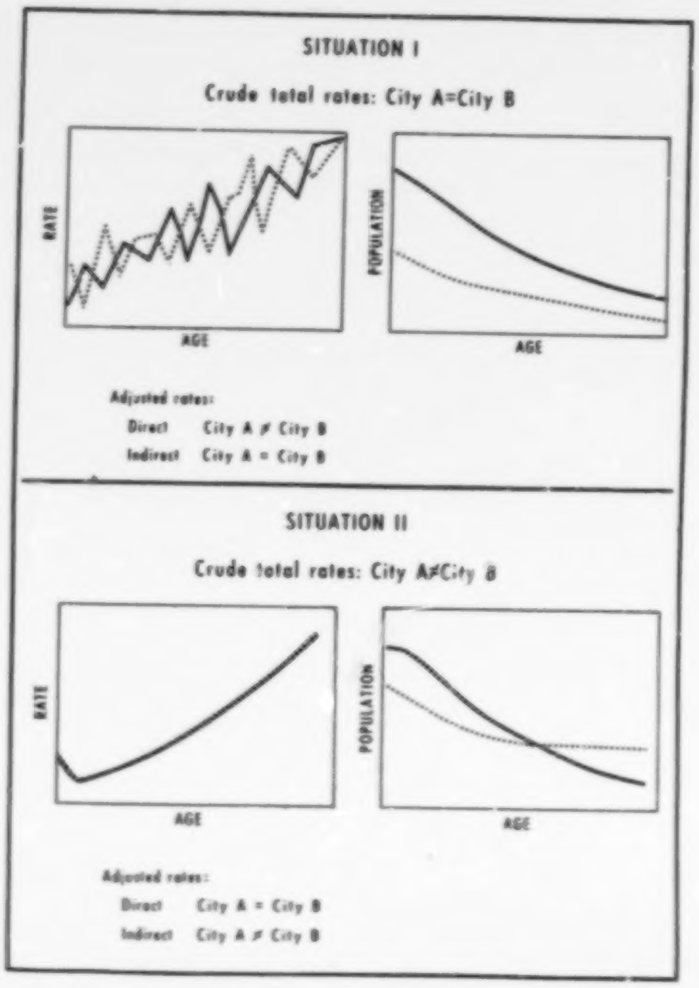
In this situation the two indirect adjusted rates will be identical; however, the direct adjusted rates may not.

Situation II:

a. The age-specific rates are identical at corresponding ages, BUT

b. The percent distributions of the two populations are different.

In this situation the crude rates will usually not be identical. The two indirect adjusted rates will only rarely be identical, but the direct adjusted rates will be equal.



For most of the causes, the age-specific rates, particularly in smaller SMSA's, are based on rather small numbers and are likely to vary as in Situation I. We believe that the population age distribution and crude death rate may provide a more stable index of mortality than the age-specific rates and favor the indirect adjusted rates of Table 1. On the other hand, the user may prefer the direct method, particularly for combinations of disease categories in the larger cities.

Of practical significance is the manner in which the rates may be easily combined for groups other than those tabulated.

The direct adjusted rates for different causes in Table 4 may be directly added, within an SMSA and sex-color group. An adjusted rate for combined sex or color groups cannot be obtained without complete recalculation.

The indirect adjusted rates of Table 1 may be combined into almost any desired grouping by use of the numbers of observed and expected deaths (See formulas above).

Table 3 — Infant and Neonatal Deaths and Mortality Rates per 1,000 Live Births by SMSA, Color, and Sex.

The rates, expressed as deaths per 1,000 live births, need little elaboration. Separate cause groups may be combined by simply adding the rates. In order to combine different sex-color groups or SMSA's, a new rate must be calculated from the number of deaths (Table 3) and live births (Table 2) by the following formula:

Rate (Deaths per 1,000 live births) =

$$\frac{\text{Number deaths 1959-61}}{\text{Number live births 1960} \times 3} \times 1{,}000$$

Table 4 — Deaths and Death Rates per 100,000 per Year by SMSA, Cause, and Age.

Age-specific rates are given for age 0-4 and subsequent 10 year groups to age 85+. The rate column is left blank when there were no deaths and the rate is a true zero. If there were a few deaths but the rounded rate is less than 1 per 100,000, a zero is printed. For the few instances where there were more deaths than population (e.g. Dubuque, non-white females) the rate is indicated as ———.

Within a city and sex-color group, age-specific rates for a given age group may be added for several causes to obtain an age-specific rate for the combined causes. Rates for different age groups may not be added to obtain a combined age rate.

The total and age 65+ rates are age-adjusted by the direct method, as explained in "Computation of Rates" (p. vi). For a given SMSA these adjusted rates for different causes may be directly added to obtain adjusted rates for combined causes. See the discussion of Table 1 (p. viii) for further comments on the interpretation of these adjusted rates and how they differ from those in Table 1.

Table 5 — Total Deaths and Death Rates per 100,000 by SMSA, Color, and Sex.

See comments for Tables 3 and 4, which apply to this table as well.

CAUSE OF DEATH CATEGORIES

I.S.C. detailed list numbers	Selected cause groups tabulated in this publication	Available from I.S.C. special lists	
		Intermed. list of 150	Abbrev. list of 50
001—008	Tuberculosis of respiratory system	X	X
010—019	Tuberculosis, other forms	X*	X
020—029	Syphillis and its sequelae	X*	X
057	Meningococcal infections	X	X
140	Malignant neoplasm of lip		
141	Malignant neoplasm of tongue	X	
142—144	Malignant neoplasm of other and unspecified parts of buccal cavity		
145—148	Malignant neoplasm of pharynx		
150	Malignant neoplasm of esophagus	X	
151	Malignant neoplasm of stomach	X	
152	Malignant neoplasm of small intestine including duodenum		
All 153 exc 153.9	Malignant neoplasm of large intestine		
154	Malignant neoplasm of rectum	X	
155.0 156A	Malignant neoplasm of liver except when specified as secondary		
155.1 155.8	Malignant neoplasm of other and multiple sites of biliary passages		
157	Malignant neoplasm of pancreas		
161	Malignant neoplasm of larynx	X	
162—163	Malignant neoplasm of trachea, bronchus and lung	X	
160, 164	Malignant neoplasm of other parts of respiratory system		
170	Malignant neoplasm of breast	X	
171	Malignant neoplasm of cervix uteri	X	
172—174	Malignant neoplasm of other and unspecified parts of uterus	X	
175	Malignant neoplasm of ovary, fallopian tubes and broad ligament		
177	Malignant neoplasm of prostate	X	
180	Malignant neoplasm of kidney		
181	Malignant neoplasm of bladder and other urinary organs		
190—191	Malignant neoplasm of skin	X	
194	Malignant neoplasm of thyroid		
204	Leukemia and aleukemia	X	
200—203 205	Other neoplasms of lymphatic and hematopoietic tissues	X	
241	Asthma		
260	Diabetes mellitus	X	X
345	Multiple sclerosis	X	
330—331	Subarachnoid and cerebral hemorrhage		
332	Cerebral embolism and thrombosis	X	X
333—334	Other vascular lesions of central nervous system		
410—416	Chronic rheumatic heart disease	X	X
420	Arteriosclerotic heart disease, including coronary disease	X	X
421—422	Chronic endocarditis and other myocardial degeneration		
430—433	Other diseases of heart	X	
440—443	Hypertensive heart disease	X	X
444—447	Other hypertensive disease	X	
450	General arteriosclerosis		
592—594	Chronic and unspecified nephritis and other renal sclerosis		
480—483 490—493	Influenza and pneumonia, except pneumonia of newborn	X*	
500	Acute bronchitis	X	X
501—502	Bronchitis, chronic and unqualified	X	
523	Pneumoconiosis due to silica and silicates (occupational)		
525	Other chronic interstitial pneumonia		
526	Bronchiectasis		
527.1	Emphysema without mention of bronchitis		
540—541	Ulcer of stomach and duodenum	X*	
581	Cirrhosis of liver	X	
584—585	Cholelithiasis, and cholecystitis	X	
610	Hyperplasia of prostate	X	
750—759	Congenital malformations	X*	
760—761	Birth injury	X	
762, 774 776	Postnatal asphyxia and atelectasis and immaturity		
763—768	Sepsis of newborn	X	
769	Neonatal disorders arising from certain diseases of the mother		
770	Hemolytic disease of newborn (erythroblastosis)	X	
771—773	Other diseases peculiar to infancy		
780—795	Symptoms, senility, and ill-defined conditions	X*	X
E810—E825	Motor vehicle accidents to pedestrians	X	X
E830—E835	Other motor vehicle accidents		
E900—E904	Accidental falls	X	
E963 E970—E979	Suicide	X	X
E964 A980—E985	Homicide	X	
All	All causes		

* Several special list groups must be combined.

COUNTIES WITHIN STANDARD METROPOLITAN STATISTICAL AREAS

Abilene
Jones County, Texas
Taylor County, Texas

Akron
Summit County, Ohio

Albany, Ga.
Dougherty County, Ga.

Albany-Schenectady-Troy, N.Y.
Albany County, N.Y.
Rensselaer County, N.Y.
Saratoga County, N.Y.
Schenectady County, N.Y.

Albuquerque
Bernalillo County, N.M.

Allentown-Bethlehem-Easton
Lehigh County, Pa.
Northampton County, Pa.
Warren County, N.J.

Altoona
Blair County, Pa.

Amarillo
Potter County, Texas
Randall County, Texas

Ann Arbor
Washtenaw County, Mich.

Asheville
Buncombe County, N.C.

Atlanta
Clayton County, Ga.
Cobb County, Ga.
De Kalb County, Ga.
Fulton County, Ga.
Gwinnett County, Ga.

Atlantic City
Atlantic County, N.J.

Augusta
Richmond County, Ga.
Aiken County, S.C.

Austin
Travis County, Texas

Bakersfield
Kern County, Calif.

Baltimore
Baltimore City, Md.
Anne Arundel County, Md.
Baltimore County, Md.
Carroll County, Md.
Howard County, Md.

Baton Rouge
East Baton Rouge Parish, La.

Bay City
Bay County, Mich.

Beaumont-Port Arthur
Jefferson County, Texas
Orange County, Texas

Billings
Yellowstone County, Mont.

Binghamton
Broome County, N.Y.

Birmingham
Jefferson County, Ala.

Boston-Lowell-Lawrence (MSEA)
Essex County, Mass.
Middlesex County, Mass.
Norfolk County, Mass.
Suffolk County, Mass.

Bridgeport-Stamford-Norwalk (MSEA)
Fairfield County, Conn.

Brockton (MSEA)
Plymouth County, Mass.

Brownsville-Harlingen-San Benito
Cameron County, Texas

Buffalo
Erie County, N.Y.
Niagara County, N.Y.

Canton
Stark County, Ohio

Cedar Rapids
Linn County, Iowa

Champaign-Urbana
Champaign County, Ill.

Charleston, S.C.
Charleston County, S.C.

Charleston, W.Va.
Kanawha County, W.Va.

Charlotte
Mecklenburg County, N.C.

Chattanooga
Hamilton County, Tenn.
Walker County, Ga.

Chicago
Cook County, Ill.
Du Page County, Ill.
Kane County, Ill.
Lake County, Ill.
McHenry County, Ill.
Will County, Ill.

Cincinnati
Hamilton County, Ohio
Campbell County, Ky.
Kenton County, Ky.

Cleveland
Cuyahoga County, Ohio
Lake County, Ohio

Colorado Springs
El Paso County, Colo.

Columbia
Lexington County, S.C.
Richland County, S.C.

Columbus, Ga.-Ala.
Chattahoochee County, Ga.
Muscogee County, Ga.
Russell County, Ala.

Columbus, Ohio
Franklin County, Ohio

Corpus Christi
Nueces County, Texas

Dallas
Collin County, Texas
Dallas County, Texas
Denton County, Texas
Ellis County, Texas

Davenport-Rock Island-Moline
Scott County, Iowa
Rock Island County, Ill.

Dayton
Greene County, Ohio
Miami County, Ohio
Montgomery County, Ohio

Decatur
Macon County, Ill.

Denver
Adams County, Colo.
Arapahoe County, Ohio
Boulder County, Colo.
Denver County, Colo.
Jefferson County, Colo.

Des Moines
Polk County, Iowa

Detroit
Macomb County, Mich.
Oakland County, Mich.
Wayne County, Mich.

Dubuque
Dubuque County, Iowa

Duluth-Superior
St. Louis County, Minn.
Douglas County, Wisc.

Durham
Durham County, N.C.

El Paso
El Paso County, Texas

Erie
Erie County, Pa.

Eugene
Lane County, Oreg.

Evansville
Vanderburgh County, Ind.
Henderson County, Ky.

Fall River-New Bedford (MSEA)
Bristol County, Mass.

Fargo-Moorhead
Cass County, N.Dak.
Clay County, Minn.

Flint
Genessee County, Mich.

Fort Lauderdale-Hollywood
Broward County, Fla.

Fort Smith
Sebastian County, Ark.

Fort Wayne
Allen County, Ind.

Fort Worth
Johnson County, Texas
Tarrant County, Texas

Fresno
Fresno County, Calif.

Gadsden
Etowah County, Ala.

Galveston-Texas City
Galveston County, Texas

Gary-Hammond-East Chicago
Lake County, Ind.
Porter County, Ind.

Grand Rapids
Kent County, Mich.

Great Falls
Cascade County, Mont.

Green Bay
Brown County, Wisc.

Greensboro-High Point
Guilford County, N.C.

Greenville
Greenville County, S.C.

Hamilton-Middletown
Butler County, Ohio

Harrisburg
Cumberland County, Pa.
Dauphin County, Pa.

Hartford-New Britain-Bristol (MSEA)
Hartford County, Conn.

Honolulu
Honolulu County, Hawaii

Houston
Harris County, Texas

Huntington-Ashland
Cabell County, W.Va.
Wayne County, W.Va.
Boyd County, Ky.
Lawrence County, Ohio

Huntsville
Madison County, Ala.

Indianapolis
Marion County, Ind.

Jackson, Mich.
Jackson County, Mich.

Jackson, Miss.
Hinds County, Miss.

Jacksonville
Duval County, Fla.

Jersey City
Hudson County, N.J.

Johnstown
Cambria County, Pa.
Somerset County, Pa.

Kalamazoo
Kalamazoo County, Mich.

Kansas City
Clay County, Mo.
Jackson County, Mo.
Johnson County, Kans.
Wyandotte County, Kans.

Kenosha
Kenosha County, Wisc.

Knoxville
Anderson County, Tenn.
Blount County, Tenn.
Knox County, Tenn.

Lake Charles
Calcasieu Parish, La.

Lancaster
Lancaster County, Pa.

Lansing
Clinton County, Mich.
Eaton County, Mich.
Ingham County, Mich.

Laredo
Webb County, Texas

Las Vegas
Clark County, Nev.

Lawton
Comanche County, Okla.

Lexington
Fayette County, Ky.

Lima
Allen County, Ohio

Lincoln
Lancaster County, Nebr.

Little Rock-North Little Rock
Pulaski County, Ark.

Lorain-Elyria
Lorain County, Ohio

Los Angeles-Long Beach
Los Angeles County, Calif.
Orange County, Calif.

Louisville
Jefferson County, Ky.
Clark County, Ind.
Floyd County, Ind.

Lubbock
Lubbock County, Texas

Lynchburg
Lynchburg City, Va.
Amherst County, Va.
Campbell County, Va.

Macon
Bibb County, Ga.
Houston County, Ga.

Madison
Dane County, Wisc.

Manchester (MSEA)
Hillsborough County, N.H.

Memphis
Shelby County, Tenn.

Miami
Dade County, Fla.

Midland
Midland County, Texas

Milwaukee
Milwaukee County, Wisc.
Waukesha County, Wisc.

Minneapolis-St. Paul
Anoka County, Minn.
Dakota County, Minn.
Hennepin County, Minn.
Ramsey County, Minn.
Washington County, Minn.

Mobile
Mobile County, Ala.

Monroe
Ouachita Parish, La.

Montgomery
Montgomery County, Ala.

Muncie
Delaware County, Ind.

Muskegon-Muskegon Heights
Muskegon County, Mich.

Nashville
Davidson County, Tenn.

Newark
Essex County, N.J.
Morris County, N.J.
Union County, N.J.

New Haven-Waterbury (MSEA)
New Haven County, Conn.

New Orleans
Jefferson Parish, La.
Orleans Parish, La.
St. Bernard Parish, La.

Newport News-Hampton
Newport News City, Va.
Hampton City, Va.
York County, Va.

New York
Bronx County, N.Y.
Kings County, N.Y.
New York County, N.Y.
Queens County, N.Y.
Richmond County, N.Y.
Nassau County, N.Y.
Rockland County, N.Y.
Suffolk County, N.Y.
Westchester County, N.Y.

Norfolk-Portsmouth
Norfolk City, Va.
South Norfolk City, Va.
Portsmouth City, Va.
Virginia Beach City, Va.
Norfolk County, Va.
Princess Anne County, Va.

Odessa
Ector County, Texas

Ogden
Weber County, Utah

Oklahoma City
Canadian County, Okla.
Cleveland County, Okla.
Oklahoma County, Okla.

Omaha
Douglas County, Nebr.
Sarpy County, Nebr.
Pottawattamie County, Iowa

Orlando
Orange County, Fla.
Seminole County, Fla.

Paterson-Clifton-Passaic
Bergen County, N.J.
Passaic County, N.J.

Pensacola
Escambia County, Fla.
Santa Rosa County, Fla.

Peoria
Peoria County, Ill.
Tazewell County, Ill.

Philadelphia
Bucks County, Pa.
Chester County, Pa.
Delaware County, Pa.
Montgomery County, Pa.
Philadelphia County, Pa.
Burlington County, N.J.
Camden County, N.J.
Gloucester County, N.J.

Phoenix
Maricopa County, Ariz.

Pittsburgh
Allegheny County, Pa.
Beaver County, Pa.
Washington County, Pa.
Westmoreland County, Pa.

Pittsfield (MSEA)
Berkshire County, Mass.

Portland, Maine (MSEA)
Cumberland County, Maine

Portland, Oregon-Washington
Clackamas County, Oreg.
Multnomah County, Oreg.
Washington County, Oreg.
Clark County, Wash.

Providence (MSEA)
Bristol County, R.I.
Kent County, R.I.
Providence County, R.I.

Provo-Orem
Utah County, Utah

Pueblo
Pueblo County, Colo.

Racine
Racine County, Wisc.

Raleigh
Wake County, N.C.

Reading
Berks County, Pa.

Reno
Washoe County, Nev.

Richmond
Richmond City, Va.
Chesterfield County, Va.
Henrico County, Va.

Roanoke
Roanoke City, Va.
Roanoke County, Va.

Rochester
Monroe County, N.Y.

Rockford
Winnebago County, Ill.

Sacramento
Sacramento County, Calif.

Saginaw
Saginaw County, Mich.

St. Joseph
Buchanan County, Mo.

St. Louis
St. Louis City, Mo.
Jefferson County, Mo.
St. Charles County, Mo.
St. Louis County, Mo.
Madison County, Ill.
St. Clair County, Ill.

Salt Lake City
Salt Lake County, Utah

San Angelo
Tom Green County, Texas

San Antonio
Bexar County, Texas

San Bernardino-Riverside-Ontario
Riverside County, Calif.
San Bernardino County, Calif.

San Diego
San Diego County, Calif.

San Francisco-Oakland
Alameda County, Calif.
Contra Costa County, Calif.
Marin County, Calif.
San Francisco County, Calif.
San Mateo County, Calif.
Solano County, Calif.

San Jose
Santa Clara County, Calif.

Santa Barbara
Santa Barbara County, Calif.

Savannah
Chatham County, Ga.

Scranton
Lackawanna County, Pa.

Seattle
King County, Wash.
Snohomish County, Wash.

Shreveport
Bossier Parish, La.
Caddo Parish, La.

Sioux City
Woodbury County, Iowa

Sioux Falls
Minnehaha County, S.Dak.

South Bend
St. Joseph County, Ind.

Spokane
Spokane County, Wash.

Springfield, Ill.
Sangamon County, Ill.

Springfield, Mo.
Greene County, Mo.

Springfield, Ohio
Clark County, Ohio

Springfield-Holyoke, Mass. (MSEA)
Hampden County, Mass.
Hampshire County, Mass.

Steubenville-Weirton
Jefferson County, Ohio
Brooke County, W.Va.
Hancock County, W.Va.

Stockton
San Joaquin County, Calif.

Syracuse
Madison County, N.Y.
Onondaga County, N.Y.
Oswego County, N.Y.

Tacoma
Pierce County, Wash.

Tampa-St. Petersburg
Hillsborough County, Fla.
Pinellas County, Fla.

Terre Haute
Vigo County, Ind.

Texarkana
Bowie County, Texas
Miller County, Ark.

Toledo
Lucas County, Ohio

Topeka
Shawnee County, Kans.

Trenton
Mercer County, N.J.

Tucson
Pima County, Ariz.

Tulsa
Creek County, Okla.
Osage County, Okla.
Tulsa County, Okla.

Tuscaloosa
Tuscaloosa County, Ala.

Tyler
Smith County, Texas

Utica-Rome
Herkimer County, N.Y.
Oneida County, N.Y.

Waco
McLennan County, Texas

Washington
Washington, D.C.
Alexandria City, Va.
Falls Church City, Va.
Arlington County, Va.
Fairfax County, Va.
Montgomery County, Md.
Prince Georges County, Md.

Waterloo
Black Hawk County, Iowa

West Palm Beach
Palm Beach County, Fla.

Wheeling
Ohio County, W.Va.
Marshall County, W.Va.
Belmont County, Ohio

Wichita
Sedgwick County, Kans.

Wichita Falls
Archer County, Texas
Wichita County, Texas

Wilkes-Barre-Hazleton
Luzerne County, Pa.

Wilmington
New Castle County, Dela.
Salem County, N.J.

Winston-Salem
Forsyth County, N.C.

Worcester (MSEA)
Worcester County, Mass.

York
York County, Pa.

Youngstown-Warren
Mahoning County, Ohio
Trumbull County, Ohio

AGE-SPECIFIC RATES PER 100,000 PER YEAR FOR 201 SMSA'S BY CAUSE, 1959-61 USED AS STANDARD RATES FOR INDIRECT AGE ADJUSTMENT OF TABLE 1.

Cause	Age Group										
	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	ALL
Tuberculosis, respiratory	0.22	0.03	0.41	2.18	5.05	9.70	16.00	23.03	31.88	36.70	5.89
Tuberculosis, other forms	0.41	0.08	0.10	0.28	0.41	0.58	0.92	1.19	1.63	2.43	0.44
Syphillis	0.08	0.01	0.04	0.16	0.52	2.08	6.09	9.64	9.92	9.57	1.73
Meningococcal infections	1.90	0.20	0.16	0.06	0.06	0.16	0.14	0.19	0.23	0.19	0.34
Neoplasm lip	0.00	0.00	0.00	0.00	0.02	0.04	0.16	0.52	1.34	3.06	0.10
Neoplasm tongue	0.00	0.00	0.00	0.03	0.22	1.56	3.08	4.84	7.07	9.06	0.98
Neoplasm other buccal	0.01	0.01	0.03	0.07	0.36	1.61	3.21	5.37	9.24	13.15	1.13
Neoplasm pharynx	0.02	0.03	0.10	0.13	0.60	2.81	5.28	7.16	8.59	9.06	1.58
Neoplasm esophagus	0.01	0.00	0.00	0.05	0.68	4.24	10.31	16.86	23.72	26.17	3.17
Neoplasm stomach	0.01	0.00	0.05	0.66	2.77	9.77	27.82	67.27	122.64	156.05	11.62
Neoplasm small intestine	0.01	0.00	0.02	0.06	0.18	0.57	1.09	2.05	3.21	4.66	0.41
Neoplasm large intestine	0.02	0.02	0.17	0.89	3.65	14.40	40.29	87.46	167.97	220.26	15.98
Neoplasm rectum	0.02	0.00	0.06	0.38	1.60	6.33	17.32	36.28	63.59	88.08	6.58
Neoplasm liver	0.21	0.05	0.08	0.20	0.78	2.92	8.10	15.61	23.17	27.51	2.82
Neoplasm other biliary	0.01	0.00	0.00	0.06	0.34	1.70	6.58	15.99	25.28	29.04	2.50
Neoplasm pancreas	0.01	0.01	0.04	0.27	1.79	8.22	22.33	44.74	67.56	79.34	7.80
Neoplasm larynx	0.00	0.00	0.01	0.02	0.31	2.04	5.42	8.03	9.10	9.57	1.49
Neoplasm lung, bronchus	0.03	0.01	0.08	1.07	7.14	31.78	83.87	122.81	105.34	73.66	22.26
Neoplasm other respiratory	0.03	0.03	0.08	0.13	0.23	0.61	1.34	2.15	2.92	4.15	0.47
Neoplasm breast	0.01	0.00	0.05	2.20	10.96	27.96	40.15	54.69	82.70	134.99	14.41
Neoplasm cervix uteri	0.00	0.00	0.09	1.56	5.39	9.78	12.38	15.46	19.18	21.13	4.66
Neoplasm corpus, other uterus	0.01	0.00	0.08	0.30	1.02	3.68	10.23	17.59	24.11	32.49	3.27
Neoplasm ovary, tubes	0.02	0.08	0.22	0.52	2.93	9.30	15.32	19.93	22.08	21.45	4.74
Neoplasm prostate	0.03	0.01	0.01	0.01	0.12	1.33	10.77	44.93	116.31	171.18	7.29
Neoplasm kidney	0.93	0.30	0.09	0.25	0.96	3.51	8.69	14.69	18.37	16.15	2.88
Neoplasm urinary	0.04	0.01	0.00	0.06	0.48	2.79	10.13	27.31	56.04	82.78	4.60
Neoplasm skin	0.02	0.02	0.26	0.99	1.66	2.81	4.26	7.42	14.01	37.66	2.04
Neoplasm thyroid	0.00	0.01	0.03	0.08	0.20	0.57	1.71	3.42	5.27	4.85	0.61
Leukemia	4.89	3.48	2.13	2.21	3.23	6.18	12.79	26.51	44.54	47.55	6.91
Neoplasm lymphatic	0.72	0.76	1.97	3.30	4.89	10.15	19.79	33.16	38.89	31.21	7.54
Asthma	0.39	0.22	0.39	0.81	1.63	3.44	7.05	12.29	16.91	16.08	2.69
Diabetes mellitus	0.26	0.33	0.71	2.48	4.35	11.76	38.21	96.20	166.65	173.54	16.23
Multiple sclerosis	0.00	0.01	0.09	0.43	1.32	2.00	2.16	1.84	1.33	0.51	0.82
Subarach. & cerebral hemorrhage	0.76	0.40	1.45	4.16	12.51	37.26	93.38	260.65	748.67	1685.95	55.90

Cause	Age Group 0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	ALL
Cerebral embolism & thrombosis	0.15	0.04	0.10	0.25	1.35	7.69	38.20	152.30	517.06	1341.36	31.79
Other central nervous vascular	0.59	0.26	0.15	0.20	0.56	1.97	7.89	33.55	136.90	449.01	8.42
Chronic rheumatic heart	0.03	0.21	1.61	4.55	10.24	21.21	30.94	33.47	37.22	46.08	10.54
Arteriosclerotic heart	0.07	0.05	0.62	6.54	50.44	215.25	604.58	1432.95	3205.53	6878.34	277.51
Endocarditis & myocardial degen.	0.34	0.13	0.34	0.96	2.78	10.68	35.07	117.98	438.02	1465.43	28.93
Other diseases of heart	1.63	0.33	0.83	1.90	4.68	10.92	22.48	46.84	116.31	276.88	11.28
Hypertensive heart	0.01	0.01	0.16	1.20	6.47	24.18	69.75	178.88	445.63	932.87	35.33
Other hypertensive	0.00	0.01	0.15	0.98	2.94	5.28	9.94	26.15	81.43	221.22	6.52
General arteriosclerosis	0.00	0.00	0.01	0.04	0.25	1.87	10.89	55.95	300.23	1393.69	17.98
Chronic & unspec. nephritis	0.23	0.47	1.53	2.77	3.91	6.89	11.54	21.02	44.60	100.53	5.80
Influ. & pneum. except newborn	52.95	2.27	2.46	4.12	8.70	18.12	38.81	101.93	315.73	998.74	32.07
Acute bronchitis	2.84	0.14	0.09	0.08	0.16	0.35	0.65	1.10	2.25	7.40	0.64
Chronic & unqual. bronchitis	1.60	0.08	0.08	0.08	0.29	1.06	3.56	8.57	13.79	23.68	1.63
Pneumoconiosis, silicosis	0.00	0.00	0.00	0.01	0.04	0.63	2.63	5.71	6.04	2.55	0.80
Other interstitial pneumonia	6.27	0.08	0.08	0.12	0.38	1.30	4.16	8.60	13.95	14.87	2.23
Bronchiectasis	0.02	0.04	0.09	0.17	0.49	1.12	2.68	6.43	11.12	17.17	1.20
Emphysema without bronchitis	0.37	0.02	0.05	0.13	0.74	3.87	15.92	33.47	42.78	46.40	5.21
Stomach & duodenal ulcer	0.48	0.04	0.15	0.76	2.61	7.70	16.46	31.88	59.09	85.78	6.55
Cirrhosis of liver	0.33	0.10	0.35	3.64	14.52	33.49	40.94	43.93	36.27	29.81	13.70
Cholelithiasis, cholecystitis	0.01	0.00	0.06	0.21	0.58	1.58	4.57	13.11	31.59	59.42	2.49
Hyperplasia of prostate	0.00	0.00	0.00	0.00	0.04	0.22	2.17	10.96	36.02	83.48	2.10
Congenital malformations	86.17	3.82	2.74	1.84	2.25	2.72	3.01	2.73	2.80	3.26	12.25
Birth injury	48.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.55
Postnatal atelect. & immaturity	205.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.34
Sepsis of newborn	22.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55
Neonatal from maternal disease	3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
Hemolytic disease of newborn	10.89	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24
Other diseases of infancy	40.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.62
Symptoms, senility, ill-defined	8.16	0.38	1.32	2.43	3.97	7.66	12.96	22.31	49.47	182.99	7.42
Motor vehicle to pedestrians	4.34	3.53	1.71	1.55	2.07	3.62	6.89	13.24	23.08	23.81	4.35
Other motor vehicle	3.22	3.08	26.89	17.37	13.12	13.51	14.03	15.13	16.72	11.81	12.76
Accidental falls	2.68	0.62	1.12	1.77	3.46	6.82	12.70	33.39	136.80	513.28	10.74
Suicide	0.00	0.23	5.18	9.88	13.87	19.85	22.84	22.90	26.72	23.87	10.39
Homicide	1.89	0.58	6.09	9.51	8.09	5.88	4.01	2.85	2.71	2.94	4.82

STANDARD MILLION POPULATION

Used for direct age adjustment

Age group, yr	Population
0-4	113,320
5-14	197,773
15-24	133,948
25-34	127,247
35-44	134,290
45-54	114,238
55-64	86,839
65-74	61,324
75-84	25,839
85+	5,182
Total	1,000,000

SYMBOLS USED FOR RATES

Number of deaths in one or more age groups exceeds 1960 population	– – –
Both number of deaths and population base are zero	–

UNITED STATES
METROPOLITAN MORTALITY
1959 - 1961

DATA TABLES

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
TUBERCULOSIS OF RESPIRATORY SYSTEM (I.S.C. 001-008)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
8.4	2	1.41	9.5	1	0.62	ABILENE	0.4	0	0.00	0.4	0	0.00
39.7	32	4.79	43.6	6	0.81	AKRON	2.6	2	4.56	2.6	2	4.49
2.7	2	4.44	2.9	0	0.00	ALBANY GA	1.4	4	16.64	2.0	2	5.84
59.8	88	8.67	71.3	23	1.90	ALBANY NY	1.1	2	10.64	1.1	4	20.52
15.2	32	12.42	16.6	28	10.06	ALBUQUERQUE	0.4	0	0.00	0.4	0	0.00
45.0	52	6.81	51.2	19	2.19	ALLENTOWN	0.3	2	38.46	0.3	1	19.86
13.2	16	7.16	15.5	5	1.90	ALTOONA	0.1	0	0.00	0.1	0	0.00
9.3	10	6.37	10.1	1	0.58	AMARILLO	0.4	0	0.00	0.5	0	0.00
10.9	7	3.79	12.6	3	1.40	ANN ARBOR	0.9	2	13.82	0.8	0	0.00
10.2	20	16.79	11.9	5	2.47	ASHEVILLE	1.2	7	33.88	1.6	0	0.00
94.8	55	5.02	67.4	33	2.88	ATLANTA	13.9	48	20.41	18.0	31	10.17
14.4	23	9.40	17.3	2	0.68	ATLANTIC CITY	2.6	13	29.97	2.9	3	6.00
9.7	19	11.56	11.1	5	2.65	AUGUSTA	3.9	11	16.49	5.1	7	8.09
13.1	18	8.56	15.3	10	3.86	AUSTIN	1.9	2	6.09	2.5	3	7.13
20.3	23	6.66	20.0	10	2.96	BAKERSFIELD	1.7	7	24.22	1.2	1	4.98
109.8	244	13.09	128.6	75	3.44	BALTIMORE	24.5	148	35.55	25.7	72	16.50
9.5	16	8.68	10.8	3	1.63	BATON ROUGE	4.4	15	20.18	5.2	6	6.78
8.2	6	4.31	9.0	3	1.96	BAY CITY	0.0	0	0.00	0.0	0	0.00
17.7	30	10.01	18.8	3	0.96	BEAUMONT	4.2	16	19.84	4.3	8	10.92
5.9	1	1.00	6.1	2	1.92	BILLINGS	0.1	0	0.00	0.1	1	117.33
18.6	11	3.40	21.5	3	0.82	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
32.3	64	11.68	38.6	17	2.60	BIRMINGHAM	15.4	86	32.94	18.4	45	14.38
268.1	466	9.87	438.6	133	2.32	BOSTON	6.3	22	20.57	6.7	8	7.01
55.5	47	4.99	63.8	10	0.92	BRIDGEPORT	2.0	7	20.65	2.3	0	0.00
21.9	25	6.73	25.9	5	1.14	BROCKTON	0.5	1	12.79	0.3	1	17.61
8.8	27	18.01	9.6	16	9.82	BROWNSVILLE	0.1	2	129.15	0.1	0	0.00
106.3	130	7.71	119.7	37	1.82	BUFFALO	5.4	24	26.39	5.1	5	5.74
28.2	16	3.35	31.0	3	0.57	CANTON	1.2	7	33.75	1.2	0	0.00
11.2	5	2.62	13.2	1	0.45	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
7.8	3	2.27	9.1	3	1.95	CHAMPAIGN	0.4	0	0.00	0.4	0	0.00
8.2	11	7.94	9.4	3	1.87	CHARLESTON SC	3.8	10	15.51	5.0	4	4.69
17.7	18	5.98	19.5	13	3.93	CHARLESTON WVA	1.3	1	4.64	1.4	0	0.00
13.8	10	4.27	17.0	4	1.39	CHARLOTTE	3.7	4	6.33	4.5	3	3.94
17.9	39	12.87	21.3	23	6.36	CHATTANOOGA	3.6	31	50.58	4.5	21	27.76
473.7	661	8.22	529.8	147	1.56	CHICAGO	58.1	264	26.77	62.6	101	9.50
79.4	131	9.72	98.7	41	3.06	CINCINNATI	9.5	50	30.90	10.5	17	9.54
135.1	176	7.50	156.2	48	1.93	CLEVELAND	17.0	81	28.02	18.2	17	5.52
9.6	20	12.24	11.6	6	3.04	COLORADO SPRGS	0.3	0	0.00	0.3	0	0.00
12.0	6	2.94	14.2	4	1.66	COLUMBIA	4.3	14	19.36	5.0	10	11.78
8.7	8	5.41	10.2	3	1.73	COLUMBUS GA	3.4	6	10.38	4.6	12	15.35
44.8	36	4.73	53.8	12	1.31	COLUMBUS OHIO	5.9	18	17.95	6.1	3	2.89
12.8	25	11.55	13.5	19	8.27	CORPUS CHRISTI	0.7	3	26.80	0.7	0	0.00
68.6	69	5.93	82.1	29	2.08	DALLAS	10.1	16	9.31	11.0	8	4.28
23.4	13	3.27	26.1	2	0.45	DAVENPORT	0.4	1	13.68	0.4	1	14.67
47.2	60	7.40	53.6	10	1.10	DAYTON	4.6	24	30.68	4.7	7	8.73
9.7	3	1.83	11.6	0	0.00	DECATUR	0.4	0	0.00	0.4	0	0.00
68.0	97	8.41	79.7	21	1.55	DENVER	2.5	8	18.65	2.7	4	8.82
21.0	10	2.80	25.7	6	1.38	DES MOINES	0.8	3	21.58	0.9	0	0.00
263.3	382	8.55	275.1	99	2.12	DETROIT	36.9	130	20.78	37.8	47	7.33
6.3	6	5.60	7.9	1	0.74	DUBUQUE	0.0	0	0.00	0.0	0	0.00
27.0	25	5.46	27.0	6	1.31	DULUTH	0.1	1	40.84	0.1	0	0.00
5.5	3	3.20	6.9	2	1.70	DURHAM	2.3	3	7.74	2.8	5	10.51
16.4	48	17.20	18.6	29	9.19	EL PASO	0.5	1	11.53	0.4	1	13.84
20.7	26	7.39	23.3	8	2.02	ERIE	0.4	4	60.02	0.4	2	31.18
13.0	8	3.62	13.3	3	1.33	EUGENE	0.1	0	0.00	0.0	0	0.00
16.0	18	6.62	19.6	4	1.22	EVANSVILLE	1.2	1	5.02	1.3	5	22.56
36.4	70	11.35	45.5	21	2.72	FALL RIVER	0.4	1	13.63	0.4	2	29.26
8.4	2	1.40	8.7	1	0.67	FARGO	0.0	0	0.00	0.0	0	0.00
24.9	9	2.13	26.3	6	1.35	FLINT	1.8	6	19.28	1.8	2	6.60
30.8	13	2.49	32.9	8	1.43	FT. LAUDERDALE	2.7	9	20.01	2.6	3	6.68
5.5	10	10.64	6.7	1	0.88	FORT SMITH	0.4	1	15.70	0.5	1	12.41
17.5	18	6.06	20.5	8	2.30	FORT WAYNE	0.6	3	29.25	0.6	2	18.48
38.2	45	6.95	44.0	15	2.01	FORT WORTH	4.2	10	14.01	4.7	5	6.91
26.9	37	8.11	28.0	15	3.16	FRESNO	2.4	12	29.20	1.8	2	6.60
6.4	16	12.93	7.2	8	6.51	GADSDEN	1.0	8	49.48	1.1	2	10.56
8.5	13	8.96	8.9	4	2.64	GALVESTON	2.1	7	19.37	2.2	1	2.67
37.6	38	5.95	36.1	7	1.16	GARY	5.2	13	14.62	5.2	10	11.43
28.3	23	4.79	32.8	3	0.54	GRAND RAPIDS	0.9	2	13.24	0.9	0	0.00
5.6	3	3.15	5.4	2	2.17	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
9.4	7	4.38	10.5	3	1.68	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.7	3	1.29	16.3	4	1.45	GREENSBORO	3.1	6	11.58	3.4	1	1.72
11.8	10	5.00	14.1	4	1.67	GREENVILLE	2.1	8	22.32	2.6	3	6.75
13.8	11	4.71	15.4	6	2.30	HAMILTON	0.7	3	26.15	0.7	1	8.17
27.9	38	8.02	33.6	12	2.11	HARRISBURG	1.5	5	19.21	1.7	1	3.45
57.3	73	7.50	64.9	24	2.18	HARTFORD	1.8	10	32.55	1.9	5	15.71
9.5	0	0.00	9.0	1	0.65	HONOLULU	21.7	23	6.24	17.7	8	2.66
68.7	123	10.55	76.0	32	2.48	HOUSTON	15.2	60	23.28	16.3	20	7.22
20.9	42	11.86	23.5	15	3.76	HUNTINGTON	0.7	1	7.86	0.8	2	14.52
5.8	11	11.18	6.2	4	3.78	HUNTSVILLE	1.3	8	35.65	1.6	5	18.99
47.9	71	8.74	58.1	20	2.03	INDIANAPOLIS	7.4	18	14.39	8.2	14	10.10
10.6	5	1.66	11.5	3	1.53	JACKSON MICH	0.7	0	0.00	0.3	1	17.34
7.7	9	6.93	9.6	1	0.62	JACKSON MISS	4.5	14	18.26	5.3	7	7.71
24.0	34	8.36	27.6	8	1.71	JACKSONVILLE	7.0	37	31.06	8.2	10	7.14
56.1	135	14.10	64.0	35	3.22	JERSEY CITY	2.3	25	62.96	2.6	8	17.88
25.5	49	11.31	26.8	5	1.10	JOHNSTOWN	0.3	0	0.00	0.3	0	0.00
12.6	8	3.74	14.6	4	1.62	KALAMAZOO	0.4	0	0.00	0.4	0	0.00
76.5	120	9.25	91.7	28	1.80	KANSAS CITY	9.5	38	23.67	10.3	13	7.45
8.6	4	2.74	8.9	1	0.66	KENOSHA	0.1	0	0.00	0.0	0	0.00
25.7	36	8.27	30.0	16	3.16	KNOXVILLE	2.1	9	25.24	2.5	6	14.03
6.9	12	10.29	7.2	5	4.09	LAKE CHARLES	1.7	6	20.26	1.8	2	6.57
23.3	17	4.30	28.1	7	1.47	LANCASTER	0.3	1	21.62	0.3	1	22.30
21.7	7	1.90	24.5	4	0.96	LANSING	0.5	2	25.08	0.4	1	13.82
4.0	18	26.48	4.8	11	13.37	LAREDO	0.0	0	0.00	0.0	0	0.00
9.1	8	5.21	7.8	5	3.76	LAS VEGAS	0.6	3	27.73	0.5	1	10.72
4.5	1	1.30	4.7	0	0.00	LAWTON	0.5	0	0.00	0.5	2	24.06
8.6	11	7.53	10.2	8	4.64	LEXINGTON	1.8	7	22.84	2.0	2	5.92
8.3	8	5.67	9.4	5	3.14	LIMA	0.5	1	12.37	0.4	1	14.58
12.2	2	0.97	15.0	2	0.79	LINCOLN	0.2	0	0.00	0.2	0	0.00
15.4	28	10.70	17.7	13	4.32	LITTLE ROCK	4.1	10	14.45	4.7	8	9.99
15.5	15	5.71	16.2	6	2.19	LORAIN	0.8	3	22.55	0.7	1	8.05
510.6	489	5.64	618.9	193	1.84	LOS ANGELES	37.8	90	14.04	39.4	30	4.47

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

TUBERCULOSIS OF RESPIRATORY SYSTEM (I.S.C. 001-008)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
49.1	135	16.20	59.6	43	4.25	LOUISVILLE	6.7	63	55.08	7.6	14	10.81
8.8	6	4.01	9.7	4	2.44	LUBBOCK	0.7	2	17.80	0.6	C	0.00
6.9	5	4.25	8.6	2	1.36	LYNCHBURG	1.7	4	13.80	2.0	0	0.00
8.2	6	4.39	9.9	5	2.98	MACON	3.3	6	10.85	4.5	10	13.19
16.3	10	3.61	18.8	3	0.96	MADISON	0.1	0	0.00	0.1	0	0.00
15.7	14	5.25	19.4	5	1.52	MANCHESTER	0.0	0	0.00	0.0	0	0.00
28.2	37	7.73	35.2	10	1.67	MEMPHIS	16.0	32	11.78	18.3	15	4.84
80.5	72	5.27	87.2	21	1.42	MIAMI	7.4	20	15.86	7.7	11	8.44
3.3	3	5.32	3.4	0	0.00	MIDLAND	0.3	1	17.61	0.3	0	0.00
97.7	93	5.61	109.6	24	1.29	MILWAUKEE	3.2	19	34.55	3.1	6	11.50
116.1	117	5.94	137.6	32	1.37	MINNEAPOLIS	1.9	6	18.54	1.8	0	0.00
14.5	25	10.14	16.4	8	2.88	MOBILE	5.9	18	18.11	7.1	18	14.99
5.1	10	11.46	5.8	2	2.03	MONROE	2.3	3	7.75	2.7	2	4.37
7.1	6	4.96	8.8	2	1.33	MONTGOMERY	4.0	7	10.28	5.5	8	8.65
8.3	14	9.94	9.4	5	3.13	MUNCIE	0.4	2	26.50	0.4	1	13.16
10.7	5	2.76	11.4	3	1.55	MUSKEGON	0.7	3	24.09	0.7	1	8.84
24.1	44	10.76	30.2	27	5.27	NASHVILLE	5.7	18	18.64	6.9	9	7.73
136.7	178	7.68	160.4	31	1.14	NEWARK	14.1	82	34.38	16.3	41	14.82
56.5	55	5.74	64.9	14	1.27	NEW HAVEN	2.0	5	15.00	2.1	4	11.12
46.8	132	16.63	57.5	32	3.28	NEW ORLEANS	17.1	92	31.72	20.8	42	11.91
10.4	15	8.47	10.4	6	3.40	NEWPORT NEWS	4.2	22	31.10	4.0	8	11.68
906.2	1433	9.32	1047.1	384	2.16	NEW YORK	83.4	618	43.68	100.8	265	15.50
26.3	17	3.81	29.4	4	0.80	NORFOLK	9.7	32	19.39	10.8	17	9.31
4.7	4	4.96	4.5	2	2.63	ODESSA	0.2	0	0.00	0.2	0	0.00
7.6	4	3.09	8.1	2	1.46	OGDEN	0.2	1	26.86	0.2	0	0.00
36.2	39	6.34	42.3	11	1.53	OKLAHOMA CITY	3.0	7	13.63	3.3	6	10.56
35.0	29	4.89	39.9	7	1.03	OMAHA	1.9	3	9.46	2.0	0	0.00
22.3	13	3.44	25.0	6	1.41	ORLANDO	3.4	7	12.05	3.4	5	8.63
101.2	80	4.66	115.2	43	2.20	PATERSON	2.6	11	25.24	3.1	5	9.64
10.2	6	3.46	11.1	6	3.19	PENSACOLA	2.1	0	0.00	2.6	6	13.86
23.8	28	6.94	26.9	12	2.63	PEORIA	0.6	1	9.69	0.7	0	0.00
322.0	575	10.52	379.0	162	2.52	PHILADELPHIA	46.7	247	31.20	52.5	131	14.70
47.7	129	15.93	49.4	37	4.41	PHOENIX	2.5	10	23.94	2.1	5	14.17
202.0	320	9.34	221.7	94	2.50	PITTSBURGH	13.5	98	42.75	13.2	36	16.13
12.8	9	4.15	15.6	3	1.13	PITTSFIELD	0.1	1	46.93	0.1	0	0.00
16.2	9	3.28	20.2	6	1.75	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
76.6	80	6.16	86.1	16	1.10	PORTLAND OREG.	1.9	11	34.41	1.5	4	15.64
64.6	99	9.03	78.8	21	1.57	PROVIDENCE	1.0	5	29.75	1.0	5	28.85
6.5	3	2.72	6.9	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
9.9	7	4.10	10.4	0	0.00	PUEBLO	0.2	1	74.25	0.2	0	0.00
11.6	8	4.08	12.6	4	1.87	RACINE	0.2	1	- - -	0.2	0	0.00
8.8	3	2.02	10.4	6	3.41	RALEIGH	2.7	7	15.22	3.2	3	5.52
26.8	61	13.43	30.3	16	3.11	READING	0.3	1	17.79	0.3	1	17.17
7.2	12	9.78	6.9	2	1.72	RENO	0.2	1	23.61	0.2	0	0.00
23.8	23	5.69	30.9	11	2.10	RICHMOND	7.5	23	18.12	8.8	11	7.39
11.7	12	6.05	13.9	5	2.12	ROANOKE	1.6	5	18.24	1.8	0	0.00
51.5	68	7.79	61.4	25	2.40	ROCHESTER	1.2	5	23.84	1.3	2	9.39
16.4	15	5.38	18.1	7	2.28	ROCKFORD	0.4	0	0.00	0.5	0	0.00
36.2	78	12.70	36.4	9	1.46	SACRAMENTO	2.8	8	17.02	2.0	0	0.00
13.6	21	9.09	14.9	4	1.58	SAGINAW	1.0	3	17.49	0.9	1	6.42
9.2	5	3.19	11.4	7	3.62	ST. JOSEPH	0.3	0	0.00	0.3	1	17.52
151.1	227	8.86	182.1	48	1.55	ST. LOUIS	21.1	66	18.43	24.3	21	5.10
26.0	30	6.79	29.2	7	1.41	SALT LAKE CITY	0.5	3	38.17	0.3	0	0.00
5.0	11	12.95	5.7	3	3.09	SAN ANGELO	0.3	0	0.00	0.3	0	0.00
42.6	142	19.65	50.7	77	8.95	SAN ANTONIO	3.1	8	14.97	3.8	1	1.53
66.6	66	5.84	71.4	26	2.15	SAN BERNARDINO	2.5	4	9.28	2.2	0	0.00
71.1	70	5.81	80.2	27	1.98	SAN DIEGO	2.9	5	10.32	2.6	7	15.91
218.5	247	6.66	250.5	75	1.76	SAN FRANCISCO	23.7	71	17.67	19.9	16	4.73
43.2	37	5.04	49.6	16	1.90	SAN JOSE	1.5	3	11.75	1.2	1	5.10
13.2	9	4.03	15.4	6	2.29	SANTA BARBARA	0.5	1	11.09	0.3	0	0.00
8.3	5	3.55	10.2	1	0.58	SAVANNAH	4.2	23	32.47	5.3	11	12.34
22.7	74	19.19	27.8	10	2.12	SCRANTON	0.1	0	0.00	0.1	0	0.00
92.2	67	4.28	101.2	16	0.93	SEATTLE	4.3	10	13.75	3.1	3	5.79
13.4	16	7.05	15.6	5	1.89	SHREVEPORT	6.6	25	22.29	8.1	14	10.22
9.9	8	4.76	11.1	3	1.59	SIOUX CITY	0.1	1	41.74	0.1	0	0.00
6.9	1	0.85	7.7	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
18.7	13	4.10	20.7	7	1.99	SOUTH BEND	0.9	5	32.48	0.9	1	6.50
25.0	25	5.90	26.8	7	1.54	SPOKANE	0.4	3	43.38	0.3	0	0.00
12.9	15	6.83	15.9	6	2.22	SPRINGFIELD I.	0.5	4	45.61	0.6	0	0.00
11.2	9	4.72	13.6	11	4.76	SPRINGFIELD MO	0.3	1	23.54	0.3	0	0.00
10.2	13	7.48	11.9	5	2.47	SPRINGFIELD O.	1.0	3	18.22	1.1	1	5.16
45.4	47	6.09	55.1	21	2.25	SPRINGFIELD MA	0.8	2	14.25	0.9	2	12.87
14.2	16	6.66	14.1	4	1.67	STEUBENVILLE	0.6	2	20.08	0.6	0	0.00
21.3	58	16.02	20.4	5	1.45	STOCKTON	2.8	14	28.97	1.3	2	8.89
47.1	45	5.63	53.6	20	2.20	SYRACUSE	0.8	3	22.40	0.8	2	15.70
26.5	16	3.56	28.1	5	1.05	TACOMA	0.8	2	15.08	0.6	4	39.79
84.9	75	5.21	94.3	15	0.96	TAMPA	6.0	19	18.81	6.4	6	5.54
10.0	15	8.85	11.8	4	2.00	TERRE HAUTE	0.5	2	25.97	0.5	0	0.00
6.5	11	9.91	7.3	3	2.43	TEXARKANA	1.9	4	12.26	2.1	2	5.52
37.4	41	6.46	42.7	9	1.24	TOLEDO	2.9	10	20.32	3.0	6	11.70
10.7	9	4.95	13.0	4	1.82	TOPEKA	0.8	1	7.15	0.9	0	0.00
21.3	57	15.77	24.3	12	2.91	TRENTON	2.1	16	44.26	2.1	6	16.83
18.9	99	30.91	20.7	21	5.97	TUCSON	1.2	11	55.99	1.0	6	33.83
30.4	27	5.23	35.2	14	2.34	TULSA	2.9	9	18.34	3.3	7	12.43
6.2	10	9.49	6.8	3	2.61	TUSCALOOSA	1.9	19	58.04	2.3	18	46.36
5.5	4	4.29	6.3	3	2.81	TYLER	1.7	0	0.00	1.9	1	3.07
33.4	22	4.26	34.5	6	1.02	UTICA	0.3	0	0.00	0.3	0	0.00
10.9	19	10.27	12.4	8	3.80	WACO	1.9	5	15.50	2.2	1	2.70
107.3	108	5.93	133.8	50	2.20	WASHINGTON	31.9	143	26.41	35.7	69	11.41
9.3	5	3.17	10.6	2	1.11	WATERLOO	0.3	2	41.02	0.3	1	22.15
20.1	16	4.10	22.3	1	0.26	W. PALM BEACH	3.6	8	12.97	3.0	0	0.00
18.5	30	9.54	20.7	6	1.71	WHEELING	0.5	0	0.00	0.4	1	13.63
22.4	15	3.95	26.1	7	1.58	WICHITA	1.2	5	24.22	1.3	0	0.00
9.0	8	5.26	10.0	0	0.00	WICHITA FALLS	0.6	1	9.69	0.7	0	0.00
33.7	180	31.48	40.6	13	1.89	WILKES-BARRE	0.1	1	61.86	0.1	0	0.00
25.4	23	5.34	28.7	6	1.23	WILMINGTON	3.3	11	19.60	3.2	5	9.12
9.8	10	6.01	11.8	4	2.00	WINSTON-SALEM	3.0	11	21.83	3.7	4	6.31
54.2	73	7.94	64.7	19	1.73	WORCESTER	0.3	0	0.00	0.3	0	0.00
20.7	15	4.27	23.3	11	2.78	YORK	0.3	2	34.79	0.4	0	0.00
40.1	38	5.58	42.4	11	1.53	YOUNGSTOWN	3.4	19	33.30	3.1	10	18.82
8492.3	11442	7.94	9776.4	3436	2.07	TOTAL 201 SMSA	864.5	3630	24.75	940.7	1575	9.87

ALL AGE STANDARD RATE = 5.89

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
TUBERCULOSIS, OTHER FORMS (I.S.C. 010-019)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
0.7	1	0.66	0.7	0	0.00	ABILENE	0.0	0	0.00	0.0	0	0.00
3.0	1	0.15	3.2	0	0.00	AKRON	0.2	0	0.00	0.2	1	1.91
0.3	0	0.00	0.3	0	0.00	ALBANY GA	0.1	0	0.00	0.2	0	0.00
4.3	3	0.31	4.9	3	0.27	ALBANY NY	0.1	0	0.00	0.1	0	0.00
1.3	2	0.65	1.4	1	0.31	ALBUQUERQUE	0.0	0	0.00	0.0	1	10.68
3.2	0	0.00	3.6	2	0.24	ALLENTOWN	0.0	0	0.00	0.0	1	17.81
0.9	1	0.47	1.1	0	0.00	ALTOONA	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	0	0.00	AMARILLO	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.0	2	0.90	ANN ARBOR	0.1	1	5.97	0.1	0	0.00
0.7	1	0.59	0.8	1	0.52	ASHEVILLE	0.1	0	0.00	0.1	0	0.00
4.4	3	0.30	5.1	1	0.09	ATLANTA	1.2	11	4.05	1.5	4	1.20
1.0	1	0.45	1.1	2	0.77	ATLANTIC CITY	0.2	2	4.71	0.2	0	0.00
0.8	0	0.00	0.9	1	0.50	AUGUSTA	0.3	1	1.31	0.4	3	3.25
1.0	1	0.42	1.2	0	0.00	AUSTIN	0.2	1	2.84	0.2	0	0.00
1.6	1	0.27	1.6	0	0.00	BAKERSFIELD	0.1	1	3.31	0.1	0	0.00
8.3	7	0.37	9.3	7	0.33	BALTIMORE	2.1	9	1.89	2.2	11	2.21
0.8	0	0.00	0.9	0	0.00	BATON ROUGE	0.4	0	0.00	0.4	0	0.00
0.6	0	0.00	0.7	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
1.4	2	0.62	1.5	0	0.00	BEAUMONT	0.3	0	0.00	0.4	2	2.41
0.5	0	0.00	0.5	0	0.00	BILLINGS	0.0	1	89.29	0.0	0	0.00
1.4	1	0.32	1.5	1	0.29	BINGHAMTON	0.0	0	0.00	0.0	1	45.92
2.5	2	0.35	2.8	0	0.00	BIRMINGHAM	1.2	6	2.14	1.4	3	0.92
19.5	16	0.36	23.4	17	0.32	BOSTON	0.5	5	4.20	0.5	3	2.40
4.0	3	0.32	4.5	2	0.19	BRIDGEPORT	0.2	1	2.44	0.2	1	2.22
1.6	2	0.54	1.8	0	0.00	BROCKTON	0.0	0	0.00	0.0	0	0.00
0.8	3	1.68	0.8	3	1.59	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
7.9	12	0.67	8.6	9	0.46	BUFFALO	0.5	4	3.66	0.5	2	1.85
2.1	0	0.00	2.2	1	0.19	CANTON	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	1.0	0	0.00	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.7	0	0.00	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.7	1	0.61	0.8	0	0.00	CHARLESTON SC	0.4	3	3.62	0.4	1	1.00
1.4	4	1.26	1.5	1	0.29	CHARLESTON WVA	0.1	1	4.71	0.1	0	0.00
1.1	0	0.00	1.3	1	0.33	CHARLOTTE	0.3	2	2.64	0.4	2	2.27
1.4	4	1.27	1.6	2	0.56	CHATTANOOGA	0.3	2	3.10	0.3	1	1.29
34.7	32	0.40	37.7	19	0.22	CHICAGO	5.0	28	2.44	5.4	26	2.12
5.9	4	0.29	7.0	6	0.37	CINCINNATI	0.8	6	3.47	0.8	4	2.10
9.9	7	0.31	11.0	2	0.08	CLEVELAND	1.4	8	2.43	1.5	6	1.71
0.8	0	0.00	0.9	0	0.00	COLORADO SPRGS	0.0	0	0.00	0.0	0	0.00
1.0	1	0.44	1.1	0	0.00	COLUMBIA	0.4	2	2.31	0.4	2	2.08
0.8	0	0.00	0.8	2	1.04	COLUMBUS GA	0.3	1	1.42	0.4	2	2.31
3.5	1	0.12	4.0	2	0.22	COLUMBUS OHIO	0.5	0	0.00	0.5	0	0.00
1.1	3	1.18	1.2	1	0.38	CORPUS CHRISTI	0.1	2	15.63	0.1	0	0.00
5.4	4	0.32	6.1	0	0.00	DALLAS	0.9	0	0.00	0.9	3	1.41
1.7	0	0.00	1.9	1	0.23	DAVENPORT	0.0	0	0.00	0.0	0	0.00
3.7	2	0.24	4.0	3	0.32	DAYTON	0.4	4	4.49	0.4	1	1.08
0.7	2	1.22	0.8	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
5.3	6	0.49	5.9	5	0.37	DENVER	0.2	0	0.00	0.2	0	0.00
1.6	1	0.28	1.8	1	0.24	DES MOINES	0.1	1	6.81	0.1	0	0.00
20.0	12	0.26	20.7	12	0.25	DETROIT	3.1	17	2.39	3.2	14	1.90
0.5	0	0.00	0.6	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
1.9	1	0.23	1.9	4	0.91	DULUTH	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	0	0.00	DURHAM	0.2	1	2.36	0.2	0	0.00
1.5	4	1.14	1.6	3	0.80	EL PASO	0.1	0	0.00	0.0	0	0.00
1.5	3	0.85	1.7	0	0.00	ERIE	0.0	1	12.10	0.0	0	0.00
1.0	0	0.00	1.0	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
1.2	0	0.00	1.4	2	0.64	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
2.6	4	0.67	3.1	1	0.14	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.6	2	1.34	0.7	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
2.0	1	0.22	2.1	0	0.00	FLINT	0.2	0	0.00	0.2	1	2.41
2.1	3	0.63	2.2	2	0.39	FT. LAUDERDALE	0.3	1	1.65	0.3	1	1.60
0.4	0	0.00	0.5	1	0.94	FORT SMITH	0.0	0	0.00	0.0	0	0.00
1.3	4	1.30	1.5	0	0.00	FORT WAYNE	0.1	1	7.33	0.1	0	0.00
3.0	1	0.15	3.3	3	0.40	FORT WORTH	0.3	4	5.03	0.4	2	2.30
2.1	3	0.64	2.1	5	[illegible]	FRESNO	0.2	0	0.00	0.1	2	5.90
0.5	0	0.00	0.5	0	0.00	GADSDEN	0.1	2	11.01	0.1	0	0.00
0.7	0	0.00	0.7	1	0.64	GALVESTON	0.2	0	0.00	0.2	0	0.00
3.0	3	0.44	2.9	1	0.15	GARY	0.5	4	3.77	0.5	3	2.78
2.2	0	0.00	2.4	2	0.36	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.4	1	0.99	0.4	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	1	64.13
0.7	0	0.00	0.8	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
1.1	2	0.80	1.2	0	0.00	GREENSBORO	0.3	0	0.00	0.3	0	0.00
1.0	0	0.00	1.1	1	0.40	GREENVILLE	0.2	1	2.37	0.2	2	4.02
1.1	1	0.40	1.2	2	0.74	HAMILTON	0.1	0	0.00	0.1	0	0.00
2.1	3	0.64	2.4	2	0.37	HARRISBURG	0.1	2	6.84	0.1	0	0.00
4.2	6	0.62	4.7	1	0.09	HARTFORD	0.2	0	0.00	0.2	0	0.00
0.9	0	0.00	0.8	0	0.00	HONOLULU	1.8	1	0.24	1.6	2	0.55
5.6	4	0.31	6.0	3	0.22	HOUSTON	1.3	8	2.63	1.4	4	1.23
1.5	2	0.56	1.7	1	0.26	HUNTINGTON	0.1	0	0.00	0.1	1	7.69
0.5	0	0.00	0.5	0	0.00	HUNTSVILLE	0.1	0	0.00	0.1	0	0.00
3.7	2	0.24	4.2	2	0.21	INDIANAPOLIS	0.6	3	2.22	0.6	0	0.00
0.8	0	0.00	0.8	0	0.00	JACKSON MICH	0.1	0	0.00	0.0	0	0.00
0.6	0	0.00	0.7	0	0.00	JACKSON MISS	0.4	4	4.52	0.4	4	3.91
2.0	1	0.22	2.1	0	0.00	JACKSONVILLE	0.6	3	2.25	0.7	4	2.63
3.9	3	0.33	4.4	3	0.30	JERSEY CITY	0.2	3	6.14	0.2	1	1.85
1.8	2	0.48	1.9	0	0.00	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.0	0	0.00	1.1	1	0.40	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
5.8	1	0.08	6.6	3	0.20	KANSAS CITY	0.7	3	1.79	0.8	2	1.10
0.6	0	0.00	0.7	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
2.0	1	0.22	2.2	3	0.59	KNOXVILLE	0.2	4	10.84	0.2	0	0.00
0.6	1	0.72	0.6	0	0.00	LAKE CHARLES	0.2	1	2.78	0.2	0	0.00
1.7	1	0.25	2.0	1	0.22	LANCASTER	0.0	0	0.00	0.0	0	0.00
1.7	0	0.00	1.9	1	0.24	LANSING	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.4	2	2.23	LAREDO	0.0	0	0.00	0.0	0	0.00
0.7	1	0.61	0.6	0	0.00	LAS VEGAS	0.1	0	0.00	0.1	1	7.66
0.4	0	0.00	0.4	0	0.00	LAWTON	0.1	0	0.00	0.0	1	8.99
0.7	1	0.65	0.7	1	0.58	LEXINGTON	0.1	1	3.27	0.1	1	3.02
0.6	1	0.70	0.7	1	0.65	LIMA	0.0	1	10.43	0.0	0	0.00
0.9	1	0.47	1.1	0	0.00	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.2	1	0.37	1.3	1	0.36	LITTLE ROCK	0.3	0	0.00	0.4	0	0.00
1.2	0	0.00	1.3	0	0.00	LORAIN	0.1	0	0.00	0.1	0	0.00
38.3	26	0.30	44.1	21	0.21	LOS ANGELES	3.2	8	1.07	3.4	7	0.91

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

TUBERCULOSIS, OTHER FORMS (I.S.C. 010-019)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
3.8	6	0.69	4.4	3	0.30	LOUISVILLE	0.5	2	1.69	0.6	3	2.28
0.8	3	1.72	0.8	0	0.00	LUBBOCK	0.1	0	0.00	0.1	0	0.00
0.5	0	0.00	0.6	0	0.00	LYNCHBURG	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.8	0	0.00	MACON	0.3	1	1.56	0.4	0	0.00
1.3	0	0.00	1.4	2	0.62	MADISON	0.0	0	0.00	0.0	0	0.00
1.1	3	1.14	1.4	0	0.00	MANCHESTER	0.0	1	185.06	0.0	0	0.00
2.2	0	0.00	2.6	2	0.33	MEMPHIS	1.3	5	1.69	1.5	3	0.90
5.6	3	0.23	6.0	2	0.15	MIAMI	0.7	0	0.00	0.7	2	1.21
0.3	0	0.00	0.3	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
7.3	0	0.00	7.9	7	0.39	MILWAUKEE	0.3	2	2.65	0.3	1	1.35
8.9	6	0.20	10.1	6	0.26	MINNEAPOLIS	0.2	0	0.00	0.2	2	5.68
1.2	1	0.37	1.3	0	0.00	MOBILE	0.5	3	2.54	0.6	3	2.19
0.4	0	0.00	0.4	1	0.99	MONROE	0.2	0	0.00	0.2	0	0.00
0.6	0	0.00	0.7	2	1.30	MONTGOMERY	0.3	3	3.91	0.4	0	0.00
0.6	0	0.00	0.7	0	0.00	MUNCIE	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.9	0	0.00	MUSKEGON	0.1	1	6.52	0.1	0	0.00
1.9	3	0.70	2.2	4	0.79	NASHVILLE	0.4	4	3.94	0.5	1	0.84
9.7	7	0.31	11.1	3	0.12	NEWARK	1.2	15	5.45	1.6	10	3.21
4.1	3	0.32	4.6	0	0.00	NEW HAVEN	0.2	2	4.81	0.2	1	2.27
3.6	1	0.17	4.2	0	0.00	NEW ORLEANS	1.4	6	1.81	1.7	4	1.06
0.9	1	0.49	0.9	1	0.50	NEWPORT NEWS	0.3	2	2.51	0.3	2	2.54
63.8	60	0.41	71.9	25	0.15	NEW YORK	6.9	42	2.67	8.1	29	1.56
2.3	1	0.19	2.4	0	0.00	NORFOLK	0.8	6	3.17	0.9	1	0.49
0.4	0	0.00	0.4	0	0.00	ODESSA	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.6	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
2.8	3	0.47	3.1	1	0.16	OKLAHOMA CITY	0.3	2	3.36	0.3	0	0.00
2.7	4	0.65	2.9	1	0.15	OMAHA	0.2	1	2.77	0.2	1	2.62
1.7	1	0.26	1.8	1	0.24	ORLANDO	0.3	2	2.97	0.3	0	0.00
7.4	1	0.06	8.2	3	0.16	PATERSON	0.2	1	1.94	0.3	6	6.71
0.9	0	0.00	0.9	0	0.00	PENSACOLA	0.2	1	2.28	0.2	1	1.97
1.8	2	0.49	1.9	1	0.22	PEORIA	0.1	0	0.00	0.1	0	0.00
23.6	17	0.31	26.7	14	0.23	PHILADELPHIA	3.8	13	1.49	4.2	16	1.66
3.7	3	0.35	3.8	1	0.11	PHOENIX	0.2	1	2.09	0.2	1	2.30
14.7	18	0.53	15.8	7	0.19	PITTSBURGH	1.0	7	2.99	1.0	4	1.71
0.9	0	0.00	1.1	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
1.2	0	0.00	1.4	1	0.31	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
5.4	8	0.64	6.0	2	0.15	PORTLAND OREG.	0.1	1	2.92	0.1	0	0.00
4.6	3	0.28	5.4	3	0.24	PROVIDENCE	0.1	1	5.21	0.1	1	5.01
0.6	0	0.00	0.6	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
0.7	1	0.59	0.8	0	0.00	PUEBLO	0.0	0	0.00	0.0	1	24.74
0.9	0	0.00	0.9	1	0.47	RACINE	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.8	0	0.00	RALEIGH	0.2	0	0.00	0.3	1	1.69
1.9	3	0.70	2.1	0	0.00	READING	0.0	0	0.00	0.0	0	0.00
0.5	1	0.82	0.5	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
1.8	0	0.00	2.2	1	0.20	RICHMOND	0.6	2	1.45	0.7	3	1.91
0.9	1	0.50	1.0	1	0.46	ROANOKE	0.1	0	0.00	0.1	0	0.00
3.7	1	0.12	4.3	3	0.31	ROCHESTER	0.1	0	0.00	0.1	1	3.45
1.3	0	0.00	1.3	0	0.00	ROCKFORD	0.0	0	0.00	0.0	1	9.49
2.8	7	1.08	2.8	2	0.31	SACRAMENTO	0.2	0	0.00	0.2	1	2.38
1.1	1	0.41	1.1	0	0.00	SAGINAW	0.1	1	4.47	0.1	0	0.00
0.6	0	0.00	0.8	0	0.00	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
11.2	7	0.27	12.9	6	0.20	ST. LOUIS	1.7	10	2.57	1.9	5	1.13
2.1	2	0.41	2.3	1	0.19	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.4	1	1.16	0.4	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
3.5	6	0.74	3.9	2	0.22	SAN ANTONIO	0.3	0	0.00	0.3	0	0.00
5.0	2	0.18	5.2	0	0.00	SAN BERNARDINO	0.2	0	0.00	0.2	2	4.48
5.7	6	0.46	6.0	3	0.22	SAN DIEGO	0.3	2	3.06	0.3	0	0.00
15.9	12	0.33	17.6	10	0.45	SAN FRANCISCO	2.0	2	0.44	1.8	7	1.72
3.5	1	0.12	3.9	2	0.23	SAN JOSE	0.1	0	0.00	0.1	0	0.00
1.0	1	0.49	1.1	1	0.39	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.7	3	1.91	0.8	0	0.00	SAVANNAH	0.3	0	0.00	0.4	2	2.12
1.6	2	0.55	1.9	1	0.23	SCRANTON	0.0	0	0.00	0.0	0	0.00
6.8	5	0.32	7.3	4	0.24	SEATTLE	0.3	1	1.29	0.3	0	0.00
1.1	2	0.82	1.2	0	0.00	SHREVEPORT	0.5	1	0.82	0.6	2	1.39
0.7	0	0.00	0.8	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
1.4	1	0.31	1.5	0	0.00	SOUTH BEND	0.1	0	0.00	0.1	0	0.00
1.8	0	0.00	1.9	0	0.00	SPOKANE	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.1	0	0.00	SPRINGFIELD I.	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.9	1	0.46	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.9	1	0.51	SPRINGFIELD O.	0.1	0	0.00	0.1	0	0.00
3.3	1	0.13	3.8	1	0.11	SPRINGFIELD MA	0.1	0	0.00	0.1	0	0.00
1.0	1	0.42	1.0	0	0.00	STEUBENVILLE	0.0	0	0.00	0.0	0	0.00
1.5	4	1.14	1.5	1	0.30	STOCKTON	0.2	3	6.54	0.1	1	3.83
3.5	2	0.25	3.9	3	0.34	SYRACUSE	0.1	0	0.00	0.1	1	5.97
2.0	0	0.00	2.0	1	0.22	TACOMA	0.1	0	0.00	0.1	0	0.00
5.5	8	0.47	6.1	1	0.07	TAMPA	0.5	0	0.00	0.5	0	0.00
0.7	2	1.24	0.8	0	0.00	TERRE HAUTE	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	1	0.86	TEXARKANA	0.1	0	0.00	0.2	0	0.00
2.7	2	0.32	3.0	1	0.14	TOLEDO	0.2	0	0.00	0.3	0	0.00
0.8	0	0.00	0.9	1	0.47	TOPEKA	0.1	0	0.00	0.1	0	0.00
1.5	0	0.00	1.7	0	0.00	TRENTON	0.2	2	4.70	0.2	0	0.00
1.5	2	0.59	1.6	3	0.83	TUCSON	0.1	3	13.72	0.1	1	4.85
2.3	1	0.19	2.6	4	0.68	TULSA	0.2	1	1.93	0.3	0	0.00
0.5	1	0.93	0.5	0	0.00	TUSCALOOSA	0.2	0	0.00	0.2	4	9.30
0.4	0	0.00	0.4	0	0.00	TYLER	0.1	0	0.00	0.1	0	0.00
2.2	3	0.60	2.4	1	0.18	UTICA	0.0	0	0.00	0.0	0	0.00
0.8	1	0.54	0.9	1	0.49	WACO	0.1	0	0.00	0.2	2	5.31
8.6	2	0.10	10.0	9	0.39	WASHINGTON	2.7	13	2.10	2.9	11	1.63
0.7	0	0.00	0.8	1	0.55	WATERLOO	0.0	0	0.00	0.0	0	0.00
1.3	2	0.65	1.5	1	0.30	W. PALM BEACH	0.3	0	0.00	0.3	2	3.28
1.3	2	0.67	1.4	1	0.31	WHEELING	0.0	0	0.00	0.0	0	0.00
1.8	0	0.00	2.0	1	0.22	WICHITA	0.1	1	3.84	0.1	0	0.00
0.7	1	0.61	0.8	0	0.00	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
2.3	1	0.19	2.7	3	0.48	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
2.0	1	0.22	2.1	1	0.20	WILMINGTON	0.3	2	3.27	0.3	0	0.00
0.8	0	0.00	0.9	0	0.00	WINSTON-SALEM	0.2	1	1.81	0.3	0	0.00
3.9	0	0.00	4.5	1	0.10	WORCESTER	0.0	0	0.00	0.0	0	0.00
1.5	0	0.00	1.7	0	0.00	YORK	0.0	0	0.00	0.0	0	0.00
3.0	2	0.29	3.1	1	0.14	YOUNGSTOWN	0.3	0	0.00	0.3	3	4.92
633.5	489	0.34	703.1	369	0.23	TOTAL 201 SMSA	72.4	347	2.09	77.9	276	1.55

ALL AGE STANDARD RATE = 0.46

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

SYPHILIS (I.S.C. 020-029)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
2.4	4	2.93	2.8	1	0.62	ABILENE	0.1	0	0.00	0.1	0	0.00
11.8	17	2.50	12.9	5	0.67	AKRON	0.7	3	7.29	0.7	2	4.90
0.6	0	0.00	0.8	0	0.00	ALBANY GA	0.4	2	8.73	0.6	2	5.88
18.1	13	1.25	21.8	3	0.24	ALBANY NY	0.3	1	5.65	0.3	0	0.00
4.0	6	1.73	4.6	3	1.18	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
13.4	13	1.68	15.4	4	0.45	ALLENTOWN	0.1	2	38.78	0.1	1	20.92
4.0	5	2.14	4.8	4	1.44	ALTOONA	0.0	0	0.00	0.0	0	0.00
2.5	7	4.84	2.8	0	0.00	AMARILLO	0.1	0	0.00	0.1	3	43.31
3.0	0	0.00	3.6	1	0.48	ANN ARBOR	0.2	0	0.00	0.2	1	8.08
3.0	1	0.57	3.6	2	0.97	ASHEVILLE	0.4	0	0.00	0.4	1	4.02
15.0	16	1.85	19.3	3	0.27	ATLANTA	3.8	32	14.50	5.0	14	4.80
4.5	6	2.29	5.5	1	0.32	ATLANTIC CITY	0.8	4	8.75	0.9	4	7.71
2.6	6	4.03	3.1	2	1.11	AUGUSTA	1.1	15	23.30	1.5	6	6.96
3.7	1	0.47	4.5	1	0.39	AUSTIN	0.6	1	3.07	0.7	1	2.35
5.7	5	1.51	5.6	0	0.00	BAKERSFIELD	0.5	2	6.87	0.3	0	0.00
31.4	40	2.70	37.9	19	0.87	BALTIMORE	6.7	68	17.60	7.0	38	9.42
2.5	0	0.00	2.9	1	0.59	BATON ROUGE	1.2	25	34.98	1.5	7	8.14
2.4	1	0.73	2.6	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
4.9	9	3.18	5.3	4	1.32	BEAUMONT	1.2	8	11.79	1.2	3	4.35
1.7	2	2.07	1.7	1	0.99	BILLINGS	0.0	0	0.00	0.0	0	0.00
5.5	2	0.63	6.6	1	0.27	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
9.2	9	1.70	11.3	5	0.77	BIRMINGHAM	4.6	34	12.81	5.4	16	5.12
80.4	124	2.67	103.8	44	0.73	BOSTON	1.7	6	5.96	1.9	3	2.76
16.2	14	1.50	18.9	6	0.55	BRIDGEPORT	0.5	2	6.71	0.6	2	5.93
6.5	3	0.80	7.9	3	0.66	BROCKTON	0.1	0	0.00	0.1	0	0.00
2.5	6	4.20	2.7	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
31.4	33	1.82	35.8	14	0.68	BUFFALO	1.4	8	9.75	1.3	4	5.26
8.4	13	2.69	9.2	2	0.38	CANTON	0.3	3	14.97	0.3	3	19.84
3.3	6	3.14	4.0	3	1.31	CEDAR RAPIDS	0.0	1	64.60	0.0	0	0.00
2.1	3	2.45	2.6	0	0.00	CHAMPAIGN	0.1	1	16.68	0.1	0	0.00
2.1	5	4.08	2.6	1	0.67	CHARLESTON SC	1.0	11	18.59	1.4	2	2.48
5.0	7	2.42	5.5	7	2.19	CHARLESTON WVA	0.4	3	13.08	0.4	1	4.03
3.7	2	0.93	4.7	1	0.36	CHARLOTTE	1.0	1	1.71	1.2	2	2.82
5.1	6	2.04	6.2	2	0.56	CHATTANOOGA	1.1	3	4.85	1.3	2	2.64
139.9	65	0.80	158.6	21	0.23	CHICAGO	15.8	45	4.92	17.0	12	1.22
23.6	41	3.01	29.9	18	1.06	CINCINNATI	2.8	44	27.50	3.0	18	10.50
39.8	41	1.79	46.0	14	0.53	CLEVELAND	4.6	25	9.35	4.9	16	5.65
2.7	2	1.30	3.4	3	1.54	COLORADO SPRGS	0.1	0	0.00	0.1	1	22.35
3.2	5	2.68	4.0	1	0.43	COLUMBIA	1.2	6	8.86	1.4	1	1.22
2.2	2	1.56	2.8	0	0.00	COLUMBUS GA	0.9	7	13.11	1.3	4	5.32
12.7	20	2.72	15.8	15	1.64	COLUMBUS OHIO	1.7	15	15.63	1.7	9	8.96
3.5	7	3.51	3.6	2	0.95	CORPUS CHRISTI	0.2	1	9.60	0.2	0	0.00
19.2	21	1.90	23.7	9	0.66	DALLAS	2.9	20	12.15	3.1	9	5.11
7.0	6	1.49	7.9	1	0.22	DAVENPORT	0.1	1	14.36	0.1	0	0.00
13.3	16	2.08	15.5	4	0.45	DAYTON	1.3	9	12.29	1.3	4	5.42
2.9	1	0.51	3.5	0	0.00	DECATUR	0.1	0	0.00	0.1	1	15.99
19.4	25	2.23	23.3	17	1.26	DENVER	0.7	6	15.07	0.7	2	4.75
6.2	6	1.67	7.7	3	0.67	DES MOINES	0.2	0	0.00	0.3	0	0.00
77.0	57	1.28	79.9	25	0.54	DETROIT	10.0	49	8.50	10.0	17	2.94
1.9	0	0.00	2.4	1	0.71	DUBUQUE	0.0	0	0.00	0.0	0	0.00
8.3	14	2.93	8.3	3	0.63	DULUTH	0.0	0	0.00	0.0	0	0.00
1.5	1	1.12	2.0	0	0.00	DURHAM	0.6	2	5.37	0.8	0	0.00
4.3	10	4.04	5.1	1	0.34	EL PASO	0.1	1	14.80	0.1	0	0.00
6.1	8	2.26	7.0	3	0.75	ERIE	0.1	2	33.00	0.1	0	0.00
3.8	2	0.92	3.9	1	0.45	EUGENE	0.0	1	148.41	0.0	0	0.00
4.8	9	3.27	5.9	6	1.77	EVANSVILLE	0.4	0	0.00	0.4	1	4.40
10.9	15	2.37	14.0	8	0.99	FALL RIVER	0.1	1	13.11	0.1	0	0.00
2.5	3	2.08	2.6	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
7.1	3	0.73	7.5	1	0.23	FLINT	0.4	0	0.00	0.4	2	7.82
9.9	8	1.40	10.3	1	0.17	FT. LAUDERDALE	0.7	4	10.50	0.7	5	13.27
1.7	1	1.05	2.0	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
5.1	11	3.73	6.1	4	1.14	FORT WAYNE	0.2	4	43.54	0.2	0	0.00
10.7	16	2.27	12.7	4	0.55	FORT WORTH	1.2	6	8.57	1.3	2	2.62
7.8	13	2.89	8.1	4	0.85	FRESNO	0.7	1	2.44	0.5	2	6.87
1.8	1	0.95	2.1	0	0.00	GADSDEN	0.3	1	6.38	0.3	0	0.00
2.4	8	5.76	2.5	0	0.00	GALVESTON	0.6	8	22.61	0.6	2	5.66
10.7	10	1.62	10.2	2	0.34	GARY	1.4	3	3.62	1.4	1	1.27
8.4	9	1.85	9.8	1	0.18	GRAND RAPIDS	0.2	0	0.00	0.2	1	7.17
1.6	2	2.16	1.6	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
2.8	2	1.26	3.1	1	0.55	GREEN BAY	0.0	0	0.00	0.0	0	0.00
3.8	5	2.30	4.6	4	1.50	GREENSBORO	0.8	4	8.28	0.9	1	1.85
3.2	6	3.24	4.0	5	2.16	GREENVILLE	0.6	5	14.74	0.7	2	4.69
3.9	2	0.89	4.4	3	1.17	HAMILTON	0.2	0	0.00	0.2	2	17.33
8.2	14	2.96	10.1	8	1.38	HARRISBURG	0.4	3	11.91	0.5	1	3.60
16.7	20	2.07	19.3	10	0.90	HARTFORD	0.5	1	3.85	0.5	1	3.53
2.2	2	1.55	2.3	1	0.75	HONOLULU	5.8	6	1.79	4.6	1	0.38
18.5	31	2.90	21.0	10	0.82	HOUSTON	4.1	39	16.41	4.4	9	3.56
6.2	11	3.09	7.0	1	0.25	HUNTINGTON	0.2	1	7.38	0.3	1	6.92
1.5	1	1.16	1.7	0	0.00	HUNTSVILLE	0.4	1	4.51	0.5	1	3.83
13.9	10	1.25	17.3	10	1.00	INDIANAPOLIS	2.1	10	8.13	2.3	5	3.72
3.1	4	2.23	3.5	1	0.50	JACKSON MICH	0.2	0	0.00	0.1	0	0.00
2.1	1	0.83	2.7	1	0.64	JACKSON MISS	1.3	10	13.08	1.5	3	3.38
6.5	5	1.32	7.8	0	0.00	JACKSONVILLE	2.0	19	16.60	2.3	15	11.16
17.0	15	1.53	19.6	3	0.27	JERSEY CITY	0.6	2	5.53	0.7	2	4.97
7.7	13	2.94	8.0	3	0.65	JOHNSTOWN	0.1	1	20.03	0.1	0	0.00
3.7	5	2.37	4.3	1	0.40	KALAMAZOO	0.1	0	0.00	0.1	1	17.56
22.3	35	2.72	27.3	11	0.70	KANSAS CITY	2.8	13	7.96	3.0	2	1.14
2.6	6	4.04	2.7	2	1.29	KENOSHA	0.0	0	0.00	0.0	0	0.00
7.3	13	3.09	8.7	1	0.20	KNOXVILLE	0.6	3	8.40	0.7	0	0.00
1.8	1	0.97	1.9	0	0.00	LAKE CHARLES	0.5	2	7.15	0.5	2	7.04
6.9	10	2.52	8.4	3	0.62	LANCASTER	0.1	0	0.00	0.1	1	22.73
6.3	4	1.10	7.2	5	1.20	LANSING	0.1	0	0.00	0.1	0	0.00
1.2	6	8.93	1.4	4	4.92	LAREDO	0.0	0	0.00	0.0	0	0.00
2.5	4	2.80	2.1	3	2.53	LAS VEGAS	0.2	2	21.47	0.1	0	0.00
1.2	1	1.50	1.3	2	2.72	LAWTON	0.1	0	0.00	0.1	0	0.00
2.4	1	0.71	3.0	4	2.32	LEXINGTON	0.5	1	3.18	0.6	1	2.86
2.5	4	2.82	2.8	2	1.22	LIMA	0.1	0	0.00	0.1	0	0.00
3.6	0	0.00	4.6	1	0.38	LINCOLN	0.0	0	0.00	0.0	0	0.00
4.4	5	1.95	5.2	1	0.33	LITTLE ROCK	1.3	8	11.05	1.4	0	0.00
4.4	6	2.38	4.6	2	0.79	LORAIN	0.2	1	8.16	0.2	1	8.79
146.7	184	2.17	184.3	96	0.53	LOS ANGELES	9.9	41	7.20	10.5	17	2.81

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

SYPHILIS (I.S.C. 020-029)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
14.1	21	2.59	17.6	9	0.89	LOUISVILLE	2.0	10	9.60	2.3	3	2.30
2.4	4	2.92	2.7	1	0.64	LUBBOCK	0.2	2	19.78	0.1	0	0.00
2.0	1	0.87	2.6	0	0.00	LYNCHBURG	0.5	4	13.80	0.6	1	2.97
2.2	2	1.59	2.8	0	0.00	MACON	0.9	6	11.25	1.3	3	4.02
4.7	1	0.37	5.6	1	0.31	MADISON	0.0	0	0.00	0.0	0	0.00
4.7	7	2.56	6.0	2	0.58	MANCHESTER	0.0	0	0.00	0.0	0	0.00
7.8	3	0.66	10.2	3	0.51	MEMPHIS	4.8	24	8.71	5.3	6	1.95
24.5	27	1.91	26.6	14	0.91	MIAMI	1.9	26	22.25	1.9	6	5.41
0.8	0	0.00	0.8	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
29.0	28	1.67	32.9	4	0.21	MILWAUKEE	0.8	3	6.43	0.8	1	2.31
34.3	59	2.98	41.5	17	0.71	MINNEAPOLIS	0.5	2	6.56	0.5	1	3.44
4.0	6	2.62	4.6	1	0.38	MOBILE	1.6	3	3.21	2.0	4	3.51
1.5	2	2.36	1.7	2	2.07	MONROE	0.7	5	12.53	0.8	0	0.00
1.9	1	0.90	2.5	0	0.00	MONTGOMERY	1.2	5	7.40	1.6	3	3.21
2.4	6	4.33	2.8	0	0.00	MUNCIE	0.1	2	26.57	0.1	0	0.00
3.1	0	0.00	3.3	0	0.00	MUSKEGON	0.2	0	0.00	0.2	0	0.00
6.8	4	1.02	8.8	1	0.20	NASHVILLE	1.7	3	3.13	2.0	3	2.59
40.5	34	1.45	48.2	11	0.40	NEWARK	3.8	17	7.84	4.4	10	3.96
16.7	16	1.64	19.5	7	0.62	NEW HAVEN	0.5	5	16.74	0.6	2	6.25
13.3	24	3.12	16.9	8	0.82	NEW ORLEANS	4.9	77	27.20	6.0	36	10.46
2.7	2	1.28	3.8	0	0.00	NEWPORT NEWS	1.2	5	7.51	1.1	1	1.59
274.0	239	1.51	418.6	84	0.35	NEW YORK	22.4	101	7.79	26.8	53	3.42
6.9	6	1.50	8.2	1	0.21	NORFOLK	2.7	18	11.69	3.0	10	5.81
1.1	1	1.51	1.1	0	0.00	ODESSA	0.1	3	91.82	0.1	0	0.00
2.2	3	2.39	2.3	0	0.00	OGDEN	0.1	1	29.06	0.0	0	0.00
10.4	16	2.66	12.4	3	0.42	OKLAHOMA CITY	0.9	2	4.06	0.9	2	3.70
10.3	10	1.68	12.0	2	0.29	OMAHA	0.5	5	15.98	0.6	1	3.03
6.6	8	2.11	7.5	1	0.23	ORLANDO	0.9	8	14.76	0.9	0	0.00
29.3	30	1.77	33.9	8	0.41	PATERSON	0.7	2	5.19	0.8	3	6.51
2.7	1	0.63	3.0	1	0.57	PENSACOLA	0.6	2	6.11	0.7	1	2.46
7.0	6	1.49	9.0	3	0.65	PEORIA	0.2	3	31.40	0.2	0	0.00
94.8	107	1.95	114.0	46	0.70	PHILADELPHIA	13.1	72	9.56	14.6	52	6.18
13.6	11	1.40	14.2	5	0.61	PHOENIX	0.7	3	7.31	0.6	0	0.00
59.7	87	2.52	65.6	46	1.21	PITTSBURGH	4.1	45	19.18	3.8	11	5.04
3.8	5	2.26	4.8	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
4.9	2	0.71	4.2	3	0.84	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
23.2	23	1.72	26.2	5	0.33	PORTLAND OREG.	0.5	7	23.01	0.4	2	8.74
19.4	23	2.05	24.1	7	0.50	PROVIDENCE	0.3	1	6.03	0.3	2	12.14
1.8	2	1.90	2.0	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
2.9	3	1.79	3.1	4	2.25	PUEBLO	0.1	1	23.98	0.1	0	0.00
3.4	3	1.51	3.8	0	0.00	RACINE	0.1	0	0.00	0.0	0	0.00
2.4	3	2.14	3.0	0	0.00	RALEIGH	0.8	5	11.41	0.9	2	3.79
8.1	11	2.34	9.2	7	1.32	READING	0.1	2	36.21	0.1	0	0.00
2.1	6	4.99	1.9	0	0.00	RENO	0.1	0	0.00	0.0	0	0.00
6.7	8	2.06	9.1	4	0.76	RICHMOND	2.1	11	9.03	2.5	6	4.15
3.4	4	2.03	4.1	4	1.68	ROANOKE	0.5	1	3.62	0.5	1	3.24
15.5	9	1.01	18.7	4	0.37	ROCHESTER	0.3	3	16.98	0.3	0	0.00
4.8	3	1.09	5.3	2	0.65	ROCKFORD	0.1	0	0.00	0.1	0	0.00
10.2	14	2.39	10.3	5	0.86	SACRAMENTO	0.7	5	11.73	0.5	0	0.00
4.0	3	1.31	4.4	1	0.39	SAGINAW	0.3	1	6.74	0.2	0	0.00
2.9	7	4.22	3.6	2	0.96	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
44.6	65	2.53	54.9	25	0.79	ST. LOUIS	6.2	39	10.87	7.0	17	4.23
7.4	10	2.33	8.5	1	0.20	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.5	0	0.00	1.7	0	0.00	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
12.0	22	3.17	14.7	6	0.71	SAN ANTONIO	0.9	9	17.50	1.1	4	6.34
19.8	28	2.45	21.5	11	0.89	SAN BERNARDINO	0.7	2	5.00	0.6	2	5.84
19.8	11	0.96	23.3	10	0.74	SAN DIEGO	0.7	0	0.00	0.6	0	0.00
64.0	110	2.98	74.8	32	0.74	SAN FRANCISCO	6.3	29	7.96	5.0	14	4.85
11.8	25	3.65	14.1	9	1.11	SAN JOSE	0.4	0	0.00	0.3	0	0.00
3.8	7	3.19	4.6	7	2.62	SANTA BARBARA	0.1	1	11.66	0.1	0	0.00
2.3	2	1.53	2.9	0	0.00	SAVANNAH	1.2	6	8.64	1.5	5	5.73
6.9	12	3.00	8.6	3	0.61	SCRANTON	0.0	0	0.00	0.0	0	0.00
27.0	49	3.14	30.2	15	0.86	SEATTLE	1.2	4	5.83	0.8	1	2.18
3.7	3	1.39	4.5	2	0.77	SHREVEPORT	2.0	13	11.18	2.4	8	5.72
3.0	6	3.41	3.6	2	1.01	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
2.1	4	3.38	2.3	1	0.74	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
5.5	6	1.90	6.1	1	0.28	SOUTH BEND	0.3	1	6.80	0.2	1	7.07
7.5	14	3.25	9.1	1	0.21	SPOKANE	0.1	0	0.00	0.1	0	0.00
3.9	4	1.77	4.9	3	1.07	SPRINGFIELD I.	0.2	0	0.00	0.2	0	0.00
3.4	4	2.05	4.2	3	1.24	SPRINGFIELD MO	0.1	1	23.59	0.1	0	0.00
3.0	7	4.02	3.6	4	1.94	SPRINGFIELD O.	0.3	1	5.98	0.3	2	10.26
13.5	13	1.67	16.8	4	0.41	SPRINGFIELD MA	0.2	2	16.35	0.2	0	0.00
4.2	3	1.24	4.1	3	1.27	STEUBENVILLE	0.2	0	0.00	0.2	0	0.00
6.4	17	4.61	6.1	1	0.29	STOCKTON	0.9	5	10.08	0.4	1	4.80
14.0	19	1.86	16.1	4	0.43	SYRACUSE	0.2	2	17.15	0.2	1	9.22
7.8	10	2.22	8.4	8	1.64	TACOMA	0.2	1	9.95	0.1	0	0.00
27.8	22	1.37	30.8	8	0.45	TAMPA	1.7	11	11.35	1.8	8	7.77
3.1	3	1.70	3.6	2	0.95	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
2.0	1	0.88	2.2	1	0.79	TEXARKANA	0.6	1	2.87	0.7	2	5.28
11.2	21	3.24	13.0	6	0.80	TOLEDO	0.8	4	8.47	0.8	3	6.24
3.1	5	2.75	3.9	1	0.44	TOPEKA	0.2	2	14.02	0.3	1	6.26
6.3	13	3.59	7.3	6	1.42	TRENTON	0.6	4	12.50	0.6	5	15.72
5.5	10	3.16	6.1	0	0.00	TUCSON	0.3	1	5.18	0.3	0	0.00
8.8	13	2.57	10.3	2	0.33	TULSA	0.9	3	5.93	1.0	3	5.33
1.8	1	0.97	2.0	0	0.00	TUSCALOOSA	0.6	2	6.14	0.7	1	2.62
1.6	2	2.14	1.9	0	0.00	TYLER	0.5	1	3.30	0.6	1	3.03
9.1	6	1.14	10.5	6	0.99	UTICA	0.1	0	0.00	0.1	0	0.00
3.2	6	3.22	3.9	1	0.46	WACO	0.6	6	17.96	0.7	2	5.24
29.1	25	1.49	28.0	12	0.55	WASHINGTON	8.4	32	6.56	9.5	25	4.54
2.7	3	1.91	3.2	1	0.55	WATERLOO	0.1	1	22.07	0.1	0	0.00
6.4	5	1.34	7.1	1	0.24	W. PALM BEACH	1.0	3	5.33	0.8	4	8.81
5.6	10	3.08	6.3	3	0.82	WHEELING	0.1	1	11.76	0.1	2	25.48
6.1	10	2.82	7.4	5	1.16	WICHITA	0.3	1	5.28	0.3	3	15.63
2.5	2	1.36	3.0	1	0.59	WICHITA FALLS	0.2	2	19.93	0.2	1	9.30
10.2	11	1.86	12.6	6	0.83	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
7.2	10	2.41	8.3	4	0.83	WILMINGTON	0.9	2	3.68	0.9	3	5.80
2.7	7	4.53	3.3	2	1.04	WINSTON-SALEM	0.9	0	0.00	1.1	2	3.22
16.3	15	1.59	19.8	7	0.61	WORCESTER	0.1	0	0.00	0.1	0	0.00
6.1	10	2.83	7.0	5	1.24	YORK	0.1	2	35.62	0.1	1	17.42
11.8	17	2.50	12.5	4	0.56	YOUNGSTOWN	1.0	5	8.93	0.9	7	13.98
2485.7	2853	1.99	2911.9	1025	0.61	TOTAL 201 SMSA	239.6	1370	9.90	258.8	653	4.37

ALL AGE STANDARD RATE = 1.73

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MENINGOCOCCAL INFECTIONS (I.S.C. 057)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
0.6	1	0.56	0.6	0	0.00	ABILENE	0.0	0	0.00	0.0	0	0.00
2.4	3	0.42	2.4	2	0.28	AKRON	0.2	0	0.00	0.3	1	1.35
0.3	1	1.15	0.3	0	0.00	ALBANY GA	0.2	0	0.00	0.2	1	2.04
3.1	6	0.46	3.1	6	0.43	ALBANY NY	0.1	1	3.22	0.1	0	0.00
1.5	0	0.00	1.5	0	0.00	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
2.3	2	0.29	2.3	2	0.30	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
0.6	2	1.05	0.7	2	1.05	ALTOONA	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.7	0	0.00	AMARILLO	0.1	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	2	0.83	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
0.5	2	1.26	0.5	1	0.63	ASHEVILLE	0.1	0	0.00	0.1	1	4.77
4.0	8	0.68	4.0	6	0.51	ATLANTA	1.3	1	0.26	1.4	1	0.24
0.6	0	0.00	0.6	0	0.00	ATLANTIC CITY	0.1	0	0.00	0.2	1	2.21
0.8	1	0.43	0.8	0	0.00	AUGUSTA	0.4	0	0.00	0.4	1	0.88
1.0	1	0.35	0.9	3	1.10	AUSTIN	0.1	0	0.00	0.1	0	0.00
1.5	6	0.93	1.4	1	0.24	BAKERSFIELD	0.1	1	2.68	0.1	0	0.00
6.6	7	0.36	6.6	10	0.51	BALTIMORE	2.2	4	0.62	2.3	1	0.15
0.9	0	0.00	0.9	1	0.40	BATON ROUGE	0.4	0	0.00	0.4	1	0.78
0.6	0	0.00	0.6	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
1.3	1	0.26	1.2	4	1.09	BEAUMONT	0.4	1	0.92	0.4	1	0.90
0.4	0	0.00	0.4	2	1.61	BILLINGS	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.1	0	0.00	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
2.0	2	0.33	2.0	4	0.67	BIRMINGHAM	1.2	2	0.55	1.3	2	0.52
14.8	22	0.51	15.0	16	0.36	BOSTON	0.5	4	2.67	0.5	0	0.00
3.0	1	0.11	3.0	1	0.11	BRIDGEPORT	0.2	0	0.00	0.7	1	1.64
1.3	0	0.00	1.3	2	0.53	BROCKTON	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	0.9	1	0.37	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
6.2	7	0.38	6.2	3	0.16	BUFFALO	0.6	0	0.00	0.6	0	0.00
1.6	1	0.21	1.6	1	0.21	CANTON	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.7	0	0.00	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.6	0	0.00	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.7	0	0.00	CHARLESTON SC	0.5	0	0.00	0.5	0	0.00
1.2	1	0.28	1.2	4	1.13	CHARLESTON WVA	0.1	0	0.00	0.1	0	0.00
1.0	1	0.33	1.1	2	0.64	CHARLOTTE	0.4	2	1.72	0.4	1	0.81
1.2	2	0.59	1.2	2	0.58	CHATTANOOGA	0.3	1	1.27	0.3	0	0.00
26.3	47	0.61	26.1	29	0.33	CHICAGO	5.6	16	0.98	9.7	12	0.71
4.9	8	0.56	5.0	11	0.75	CINCINNATI	0.7	0	0.00	0.8	0	0.00
7.6	10	0.45	7.6	7	0.31	CLEVELAND	1.5	3	0.69	1.5	1	0.22
0.7	0	0.00	0.7	1	0.47	COLORADO SPRGS	0.0	0	0.00	0.0	1	8.79
[illegible]	0	0.00	0.9	3	1.19	COLUMBIA	0.4	0	0.00	0.5	1	0.75
0.9	3	1.19	0.8	1	0.42	COLUMBUS GA	0.4	1	0.92	0.4	1	0.89
3.2	2	0.21	3.2	6	0.62	COLUMBUS OHIO	0.5	1	0.72	0.5	0	0.00
1.3	0	0.00	1.2	2	0.56	CORPUS CHRISTI	0.1	0	0.00	0.1	1	5.00
6.7	8	0.36	6.7	2	0.14	DALLAS	1.0	1	0.34	1.0	0	0.00
1.4	3	0.74	1.4	0	0.00	DAVENPORT	0.0	0	0.00	0.0	0	0.00
3.3	1	0.10	3.3	2	0.21	DAYTON	0.4	0	0.00	0.4	3	2.40
0.6	0	0.00	0.6	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
4.7	1	0.07	4.7	3	0.22	DENVER	0.2	0	0.00	0.2	0	0.00
1.3	0	0.00	1.3	0	0.00	DES MOINES	0.1	0	0.00	0.1	0	0.00
17.1	22	0.44	16.8	11	0.22	DETROIT	3.3	3	0.31	3.3	4	0.61
0.5	0	0.00	0.5	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
1.4	4	0.95	1.4	2	0.49	DULUTH	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	0	0.00	DURHAM	0.2	1	1.87	0.2	0	0.00
1.9	1	0.18	1.8	2	0.37	EL PASO	0.1	0	0.00	0.1	0	0.00
1.3	3	0.80	1.3	0	0.00	ERIE	0.0	1	7.40	0.0	0	0.00
0.8	0	0.00	0.8	2	0.83	EUGENE	0.0	0	0.00	0.0	0	0.00
0.9	1	0.36	0.9	1	0.36	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
1.9	4	0.74	1.9	4	0.72	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.6	1	0.59	0.6	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
1.9	1	0.18	1.9	2	0.36	FLINT	0.3	1	1.32	0.3	0	0.00
1.3	0	0.00	1.3	0	0.00	FT. LAUDERDALE	0.4	1	0.91	0.4	1	0.86
0.3	0	0.00	0.3	0	0.00	FORT SMITH	0.0	0	0.00	0.0	0	0.00
1.2	4	1.44	1.2	2	0.58	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
2.6	2	0.26	2.6	1	0.13	FORT WORTH	0.4	0	0.00	0.4	0	0.00
1.8	1	0.19	1.7	0	0.00	FRESNO	0.2	1	2.03	0.2	0	0.00
0.4	2	1.69	0.4	3	2.57	GADSDEN	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.5	2	1.25	GALVESTON	0.2	0	0.00	0.2	0	0.00
2.7	1	0.13	2.6	3	0.39	GARY	0.6	0	0.00	0.6	0	0.00
1.9	0	0.00	1.9	2	0.36	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.4	0	0.00	0.4	1	0.83	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.7	0	0.00	GREEN BAY	0.0	0	0.00	0.0	1	38.27
1.0	1	0.35	1.0	2	0.68	GREENSBORO	0.3	0	0.00	0.3	2	2.29
0.9	0	0.00	0.9	1	0.39	GREENVILLE	0.2	0	0.00	0.2	0	0.00
1.0	0	0.00	1.0	3	1.03	HAMILTON	0.1	0	0.00	0.1	0	0.00
1.5	3	0.66	1.6	0	0.00	HARRISBURG	0.1	1	2.50	0.1	0	0.00
3.3	1	0.10	3.3	1	0.10	HARTFORD	0.2	0	0.00	0.2	0	0.00
1.0	1	0.33	0.9	0	0.00	HONOLULU	1.8	1	0.18	1.7	1	0.20
9.3	9	0.32	9.2	3	0.20	HOUSTON	1.5	7	1.57	1.5	1	0.22
1.2	1	0.28	1.2	4	1.12	HUNTINGTON	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	3	1.97	HUNTSVILLE	0.1	0	0.00	0.1	1	2.45
3.1	3	0.33	3.1	5	0.56	INDIANAPOLIS	0.6	1	0.58	0.6	0	0.00
0.7	2	1.09	0.7	0	0.00	JACKSON MICH	0.0	0	0.00	0.0	0	0.00
0.6	1	0.60	0.6	1	0.59	JACKSON MISS	0.5	0	0.00	0.5	0	0.00
1.9	4	0.73	1.8	0	0.00	JACKSONVILLE	0.6	0	0.00	0.6	0	0.00
2.5	6	0.80	2.6	4	0.53	JERSEY CITY	0.3	1	1.30	0.3	0	0.00
1.4	0	0.00	1.4	1	0.25	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	0.9	3	1.19	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
4.7	2	0.14	4.7	3	0.22	KANSAS CITY	0.7	0	0.00	0.7	0	0.00
0.5	1	0.63	0.5	1	0.65	KENOSHA	0.0	0	0.00	0.0	0	0.00
1.7	1	0.20	1.7	2	0.41	KNOXVILLE	0.1	0	0.00	0.2	0	0.00
0.7	0	0.00	0.7	0	0.00	LAKE CHARLES	0.2	0	0.00	0.2	0	0.00
1.4	0	0.00	1.4	1	0.24	LANCASTER	0.0	0	0.00	0.0	0	0.00
1.6	1	0.22	1.6	2	0.44	LANSING	0.1	0	0.00	0.1	0	0.00
0.4	1	0.87	0.4	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
0.6	2	1.13	0.6	3	1.77	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.5	1	0.74	0.4	1	0.84	LAWTON	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.6	0	0.00	LEXINGTON	0.1	1	3.16	0.1	0	0.00
0.5	0	0.00	0.5	0	0.00	LIMA	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	1	0.43	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.0	2	0.72	1.0	0	0.00	LITTLE ROCK	0.3	1	1.07	0.3	0	0.00
1.1	2	0.59	1.1	0	0.00	LORAIN	0.1	1	4.21	0.1	0	0.00
30.2	19	0.21	30.3	19	0.21	LOS ANGELES	3.4	2	0.20	3.4	2	0.20

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MENINGOCOCCAL INFECTIONS (I.S.C. 057)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
3.4	6	0.60	3.4	2	0.20	LOUISVILLE	0.5	0	0.00	0.5	0	0.00
0.8	1	0.41	0.8	1	0.42	LUBBOCK	0.1	1	4.05	0.1	0	0.00
0.4	1	0.82	0.4	0	0.00	LYNCHBURG	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.6	0	0.00	MACON	0.3	0	0.00	0.3	1	0.99
1.2	1	0.28	1.2	2	0.58	MADISON	0.0	0	0.00	0.0	0	0.00
0.9	2	0.77	0.9	1	0.38	MANCHESTER	0.0	0	0.00	0.0	0	0.00
2.0	1	0.17	2.0	2	0.36	MEMPHIS	1.4	1	0.25	1.5	2	0.67
3.6	3	0.29	3.5	2	0.19	MIAMI	0.9	1	0.39	0.9	3	1.16
0.4	0	0.00	0.4	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
5.8	9	0.53	5.8	2	0.12	MILWAUKEE	0.5	1	0.72	0.5	0	0.00
8.0	4	0.17	8.0	5	0.21	MINNEAPOLIS	0.2	0	0.00	0.2	0	0.00
1.2	1	0.29	1.1	3	0.90	MOBILE	0.6	0	0.00	0.7	2	1.06
0.4	1	0.94	0.4	0	0.00	MONROE	0.2	0	0.00	0.2	1	1.65
0.5	0	0.00	0.5	0	0.00	MONTGOMERY	0.4	0	0.00	0.4	0	0.00
0.5	1	0.67	0.5	0	0.00	MUNCIE	0.0	0	0.00	0.0	0	0.00
0.8	1	0.44	0.8	1	0.45	MUSKEGON	0.1	0	0.00	0.1	0	0.00
1.6	2	0.43	1.6	2	0.42	NASHVILLE	0.4	0	0.00	0.4	1	0.78
6.7	6	0.30	6.8	2	0.10	NEWARK	1.3	6	1.62	1.3	4	1.06
3.1	3	0.33	3.0	0	0.00	NEW HAVEN	0.2	0	0.00	0.2	0	0.00
3.0	4	0.46	3.0	2	0.22	NEW ORLEANS	1.6	5	1.02	1.7	4	0.82
0.9	1	0.38	0.8	0	0.00	NEWPORT NEWS	0.4	0	0.00	0.4	0	0.00
42.2	36	0.29	42.7	33	0.26	NEW YORK	6.5	22	1.15	6.9	15	0.74
2.3	2	0.29	2.2	2	0.31	NORFOLK	0.9	2	0.75	0.9	0	0.00
0.5	0	0.00	0.5	0	0.00	ODESSA	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.6	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
2.4	1	0.14	2.3	1	0.15	OKLAHOMA CITY	0.3	0	0.00	0.3	0	0.00
2.3	1	0.15	2.3	1	0.15	OMAHA	0.2	0	0.00	0.2	0	0.00
1.4	2	0.49	1.4	1	0.25	ORLANDO	0.3	1	1.05	0.3	0	0.00
5.4	6	0.39	5.4	2	0.13	PATERSON	0.2	0	0.00	0.3	0	0.00
0.9	0	0.00	0.9	1	0.38	PENSACOLA	0.3	2	2.71	0.3	1	1.33
1.4	1	0.24	1.4	0	0.00	PEORIA	0.1	0	0.00	0.1	0	0.00
17.9	18	0.34	17.8	11	0.21	PHILADELPHIA	3.8	4	0.36	3.9	6	0.53
3.4	2	0.20	3.3	3	0.31	PHOENIX	0.2	0	0.00	0.2	0	0.00
11.0	14	0.43	10.9	8	0.25	PITTSBURGH	0.9	3	1.16	0.9	2	0.77
0.7	1	0.49	0.7	1	0.48	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
0.9	1	0.38	0.9	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
3.8	5	0.44	3.8	4	0.35	PORTLAND OREG.	0.1	0	0.00	0.1	0	0.00
3.3	0	0.00	3.4	1	0.10	PROVIDENCE	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.6	1	0.56	PROVO	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.6	0	0.00	PUEBLO	0.0	0	0.00	0.0	0	0.00
0.7	1	0.46	0.7	1	0.49	RACINE	0.0	0	0.00	0.0	0	0.00
0.6	1	0.57	0.6	1	0.57	RALEIGH	0.2	0	0.00	0.2	0	0.00
1.2	2	0.54	1.2	0	0.00	READING	0.0	0	0.00	0.0	0	0.00
0.4	1	0.85	0.4	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
1.4	2	0.48	1.5	1	0.23	RICHMOND	0.6	1	0.58	0.6	1	0.57
0.7	2	1.04	0.7	1	0.51	ROANOKE	0.1	0	0.00	0.1	0	0.00
2.8	2	0.24	2.8	1	0.12	ROCHESTER	0.2	0	0.00	0.2	0	0.00
1.1	1	0.32	1.1	2	0.63	ROCKFORD	0.1	0	0.00	0.1	0	0.00
2.5	3	0.41	2.4	2	0.28	SACRAMENTO	0.2	0	0.00	0.2	1	1.54
1.0	2	0.71	1.0	2	0.71	SAGINAW	0.1	3	7.72	0.1	0	0.00
0.4	0	0.00	0.4	1	0.80	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
9.0	6	0.23	9.1	4	0.15	ST. LOUIS	1.8	1	0.19	1.9	1	0.18
2.2	1	0.15	2.2	2	0.31	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.3	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
3.6	0	0.00	3.5	4	0.39	SAN ANTONIO	0.3	0	0.00	0.3	0	0.00
4.1	3	0.25	4.0	4	0.34	SAN BERNARDINO	0.2	0	0.00	0.2	0	0.00
5.1	7	0.46	4.8	9	0.64	SAN DIEGO	0.4	1	0.92	0.3	1	0.98
11.5	7	0.21	11.4	9	0.27	SAN FRANCISCO	2.0	1	0.17	1.9	3	0.53
3.4	4	0.40	3.4	1	0.10	SAN JOSE	0.1	0	0.00	0.1	0	0.00
0.8	0	0.00	0.8	0	0.00	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.7	1	0.51	SAVANNAH	0.4	0	0.00	0.4	0	0.00
1.0	2	0.66	1.1	0	0.00	SCRANTON	0.0	0	0.00	0.0	0	0.00
5.4	3	0.19	5.3	4	0.26	SEATTLE	0.3	1	1.10	0.3	0	0.00
1.0	3	1.05	1.0	2	0.70	SHREVEPORT	0.6	1	0.58	0.6	0	0.00
0.5	1	0.62	0.5	1	0.62	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.1	1	0.31	SOUTH BEND	0.1	0	0.00	0.1	0	0.00
1.4	2	0.48	1.4	0	0.00	SPOKANE	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.7	1	0.48	SPRINGFIELD I.	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.6	0	0.00	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.6	0	0.00	SPRINGFIELD O.	0.1	0	0.00	0.1	0	0.00
2.5	5	0.67	2.6	0	0.00	SPRINGFIELD MA	0.1	0	0.00	0.1	0	0.00
0.8	1	0.42	0.8	0	0.00	STEUBENVILLE	0.0	0	0.00	0.0	0	0.00
1.1	1	0.31	1.1	0	0.00	STOCKTON	0.1	0	0.00	0.1	0	0.00
2.9	5	0.58	2.8	4	0.48	SYRACUSE	0.1	2	6.85	0.1	0	0.00
1.5	0	0.00	1.5	1	0.23	TACOMA	0.1	0	0.00	0.1	0	0.00
3.0	1	0.11	3.1	4	0.44	TAMPA	0.5	2	1.26	0.6	0	0.00
0.5	0	0.00	0.5	0	0.00	TERRE HAUTE	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.3	0	0.00	TEXARKANA	0.1	0	0.00	0.1	0	0.00
2.1	2	0.32	2.1	2	0.32	TOLEDO	0.3	1	1.32	0.3	0	0.00
0.7	0	0.00	0.7	0	0.00	TOPEKA	0.1	0	0.00	0.1	0	0.00
1.1	2	0.64	1.1	0	0.00	TRENTON	0.2	0	0.00	0.2	0	0.00
1.3	2	0.52	1.3	1	0.26	TUCSON	0.1	0	0.00	0.1	0	0.00
1.9	3	0.54	1.9	0	0.00	TULSA	0.2	0	0.00	0.2	0	0.00
0.4	0	0.00	2.4	0	0.00	TUSCALOOSA	0.2	0	0.00	0.2	2	3.47
0.3	0	0.00	0.3	0	0.00	TYLER	0.1	0	0.00	0.1	0	0.00
1.6	1	0.21	1.6	1	0.21	UTICA	0.0	0	0.00	0.0	0	0.00
0.6	1	0.55	0.6	0	0.00	WACO	0.1	0	0.00	0.1	0	0.00
7.5	6	0.27	7.5	5	0.23	WASHINGTON	2.8	7	0.85	2.8	7	0.84
0.6	1	0.53	0.6	0	0.00	WATERLOO	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	1	0.42	W. PALM BEACH	0.3	0	0.00	0.3	1	1.10
0.9	3	1.17	0.9	0	0.00	WHEELING	0.0	0	0.00	0.0	0	0.00
1.8	2	0.38	1.8	0	0.00	WICHITA	0.1	0	0.00	0.2	0	0.00
0.6	2	1.05	0.6	0	0.00	WICHITA FALLS	0.1	1	6.57	0.1	0	0.00
1.5	0	0.00	1.5	0	0.00	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
1.7	1	0.20	1.7	1	0.21	WILMINGTON	0.3	0	0.00	0.3	1	1.27
0.7	1	0.47	0.7	0	0.00	WINSTON-SALEM	0.2	0	0.00	0.3	0	0.00
2.8	3	0.36	2.8	2	0.24	WORCESTER	0.0	0	0.00	0.0	0	0.00
1.2	3	0.88	1.2	1	0.29	YORK	0.0	0	0.00	0.0	0	0.00
2.4	4	0.57	2.3	0	0.00	YOUNGSTOWN	0.3	0	0.00	0.3	0	0.00
503.5	506	0.34	501.7	414	0.28	TOTAL 201 SMSA	76.6	134	0.60	78.2	106	0.46

ALL AGE STANDARD RATE = 0.34

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF LIP (I.S.C. 140)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
0.1	0	0.00	0.2	0	0.00	ABILENE	0.0	0	0.00	0.0	0	0.00
0.6	1	0.16	0.7	0	0.00	AKRON	0.0	0	0.00	0.0	0	0.00
0.0	0	0.00	0.0	0	0.00	ALBANY GA	0.0	0	0.00	0.0	0	0.00
1.0	2	0.19	1.4	0	0.00	ALBANY NY	0.0	0	0.00	0.0	0	0.00
0.2	1	0.51	0.2	0	0.00	ALBUQUERQUE	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.9	0	0.00	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	ALTOONA	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	AMARILLO	0.0	0	0.00	0.0	0	0.00
0.2	1	0.60	0.2	0	0.00	ANN ARBOR	0.0	0	0.00	0.0	0	0.00
0.2	1	0.57	0.2	0	0.00	ASHEVILLE	0.0	0	0.00	0.0	0	0.00
0.7	3	0.40	1.1	0	0.00	ATLANTA	0.2	0	0.00	0.3	0	0.00
0.3	2	0.73	0.3	0	0.00	ATLANTIC CITY	0.0	0	0.00	0.1	0	0.00
0.1	2	1.60	0.2	0	0.00	AUGUSTA	0.1	0	0.00	0.1	0	0.00
0.2	1	0.48	0.3	0	0.00	AUSTIN	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.3	0	0.00	BAKERSFIELD	0.0	0	0.00	0.0	0	0.00
1.6	0	0.00	2.7	0	0.00	BALTIMORE	0.3	0	0.00	0.3	0	0.00
0.1	0	0.00	0.2	0	0.00	BATON ROUGE	0.1	0	0.00	0.1	0	0.00
0.1	0	0.00	0.2	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
0.2	1	0.43	0.3	1	0.34	BEAUMONT	0.1	0	0.00	0.1	0	0.00
0.1	0	0.00	0.1	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.4	1	0.26	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
0.5	1	0.20	0.6	1	0.15	BIRMINGHAM	0.2	0	0.00	0.3	0	0.00
4.5	11	0.24	6.6	2	0.03	BOSTON	0.1	0	0.00	0.1	0	0.00
0.9	3	0.34	1.1	0	0.00	BRIDGEPORT	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	0	0.00	BROCKTON	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
1.6	[illegible]	0.35	2.1	0	0.00	BUFFALO	0.1	0	0.00	0.1	0	0.00
0.5	1	0.21	0.6	1	0.17	CANTON	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	CHARLESTON SC	0.0	0	0.00	0.1	0	0.00
0.3	1	0.37	0.3	0	0.00	CHARLESTON WVA	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	CHARLOTTE	0.0	0	0.00	0.1	0	0.00
0.3	0	0.00	0.4	0	0.00	CHATTANOOGA	0.1	0	0.00	0.1	0	0.00
7.0	19	0.26	8.9	1	0.01	CHICAGO	0.7	1	0.13	0.8	0	0.00
1.3	2	0.15	1.9	1	0.05	CINCINNATI	0.1	0	0.00	0.2	0	0.00
2.1	2	0.09	2.6	1	0.04	CLEVELAND	0.2	0	0.00	0.2	0	0.00
0.2	0	0.00	0.2	0	0.00	COLORADO SPRGS	0.0	0	0.00	0.0	0	0.00
0.2	1	0.61	0.2	0	0.00	COLUMBIA	0.1	0	0.00	0.1	0	0.00
0.1	0	0.00	0.2	0	0.00	COLUMBUS GA	0.0	0	0.00	0.1	0	0.00
0.7	0	0.00	1.0	0	0.00	COLUMBUS OHIO	0.1	0	0.00	0.1	0	0.00
0.2	0	0.00	0.2	0	0.00	CORPUS CHRISTI	0.0	0	0.00	0.0	0	0.00
1.0	8	0.50	1.4	1	0.07	DALLAS	0.1	0	0.00	0.2	0	0.00
0.4	1	0.25	0.5	0	0.00	DAVENPORT	0.0	0	0.00	0.0	0	0.00
0.7	1	0.14	0.9	0	0.00	DAYTON	0.1	0	0.00	0.1	0	0.00
0.2	0	0.00	0.2	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
1.1	3	0.27	1.5	0	0.00	DENVER	0.0	0	0.00	0.0	0	0.00
0.3	2	0.56	0.5	0	0.00	DES MOINES	0.0	0	0.00	0.0	0	0.00
3.7	4	0.10	4.3	2	0.05	DETROIT	0.4	0	0.00	0.5	0	0.00
0.1	1	0.85	0.2	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	0	0.00	DULUTH	0.0	0	0.00	0.0	0	0.00
0.1	1	1.28	0.1	0	0.00	DURHAM	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	EL PASO	0.0	0	0.00	0.0	0	0.00
0.3	2	0.56	0.4	0	0.00	ERIE	0.0	0	0.00	0.0	0	0.00
0.2	1	0.47	0.2	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
0.3	1	0.36	0.4	0	0.00	EVANSVILLE	0.0	0	0.00	0.0	0	0.00
0.6	1	0.16	0.9	0	0.00	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.1	1	0.69	0.2	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	0	0.00	FLINT	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	1	0.18	FT. LAUDERDALE	0.0	0	0.00	0.0	0	0.00
0.1	1	0.98	0.1	0	0.00	FORT SMITH	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.4	0	0.00	FORT WAYNE	0.0	0	0.00	0.0	0	0.00
0.6	2	0.35	0.7	1	0.13	FORT WORTH	0.1	0	0.00	0.1	0	0.00
0.4	2	0.45	0.5	0	0.00	FRESNO	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	GADSDEN	0.0	0	0.00	0.0	0	0.00
0.1	1	0.84	0.1	0	0.00	GALVESTON	0.0	0	0.00	0.0	0	0.00
0.5	1	0.19	0.5	0	0.00	GARY	0.1	0	0.00	0.1	0	0.00
0.5	0	0.00	0.6	0	0.00	GRAND RAPIDS	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	GREAT FALLS	0.0	1	108.57	0.0	0	0.00
0.2	1	0.64	0.2	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
0.2	1	0.53	0.3	0	0.00	GREENSBORO	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.2	0	0.00	GREENVILLE	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	HAMILTON	0.0	0	0.00	0.0	0	0.00
0.5	1	0.21	0.6	0	0.00	HARRISBURG	0.0	0	0.00	0.0	0	0.00
0.9	1	0.11	1.1	0	0.00	HARTFORD	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	HONOLULU	0.3	0	0.00	0.2	0	0.00
0.8	1	0.11	1.1	0	0.00	HOUSTON	0.2	0	0.00	0.2	0	0.00
0.4	2	0.54	0.4	0	0.00	HUNTINGTON	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	HUNTSVILLE	0.0	0	0.00	0.0	0	0.00
0.7	1	0.13	1.0	0	0.00	INDIANAPOLIS	0.1	0	0.00	0.1	0	0.00
0.2	0	0.00	0.2	0	0.00	JACKSON MICH	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	JACKSON MISS	0.1	0	0.00	0.1	0	0.00
0.3	0	0.00	0.4	1	0.22	JACKSONVILLE	0.1	0	0.00	0.1	0	0.00
0.9	4	0.45	1.1	0	0.00	JERSEY CITY	0.0	0	0.00	0.0	0	0.00
0.4	2	0.43	0.5	0	0.00	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
0.2	1	0.48	0.3	0	0.00	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
1.2	5	0.39	1.7	1	0.06	KANSAS CITY	0.2	0	0.00	0.2	0	0.00
0.1	0	0.00	0.2	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	0	0.00	KNOXVILLE	0.0	0	0.00	0.0	0	0.00
0.1	1	1.16	0.1	0	0.00	LAKE CHARLES	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.6	0	0.00	LANCASTER	0.0	0	0.00	0.0	0	0.00
0.3	1	0.28	0.4	0	0.00	LANSING	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	LAS VEGAS	0.0	0	0.00	0.0	0	0.00
0.1	1	1.56	0.1	0	0.00	LAWTON	0.0	0	0.00	0.0	0	0.00
0.1	1	0.72	0.2	0	0.00	LEXINGTON	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	LIMA	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	LINCOLN	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	LITTLE ROCK	0.1	0	0.00	0.1	0	0.00
0.2	0	0.00	0.3	0	0.00	LORAIN	0.0	0	0.00	0.0	0	0.00
7.8	13	0.16	11.4	1	0.01	LOS ANGELES	0.5	0	0.00	0.5	0	0.00

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF LIP (I.S.C. 140)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
0.7	3	0.30	1.1	0	0.00	LOUISVILLE	0.1	0	0.00	0.1	0	0.00
0.1	0	0.00	0.1	0	0.00	LUBBOCK	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	LYNCHBURG	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	MACON	0.0	0	0.00	0.1	0	0.00
0.3	1	0.34	0.4	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.4	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
0.4	1	0.25	0.6	0	0.00	MEMPHIS	0.3	0	0.00	0.3	0	0.00
1.3	3	0.22	1.4	0	0.00	MIAMI	0.1	0	0.00	0.1	0	0.00
0.0	1	3.07	0.0	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
1.5	3	0.17	1.9	0	0.00	MILWAUKEE	0.0	0	0.00	0.0	0	0.00
1.9	2	0.10	2.5	0	0.00	MINNEAPOLIS	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	MOBILE	0.1	0	0.00	0.1	0	0.00
0.1	1	1.23	0.1	0	0.00	MONROE	0.0	0	0.00	0.0	0	0.00
0.1	1	1.03	0.2	0	0.00	MONTGOMERY	0.1	1	1.51	0.1	0	0.00
0.1	1	0.71	0.2	0	0.00	MUNCIE	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.2	0	0.00	MUSKEGON	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	0	0.00	NASHVILLE	0.1	0	0.00	0.1	0	0.00
2.1	3	0.14	2.8	0	0.00	NEWARK	0.2	0	0.00	0.2	0	0.00
0.9	4	0.47	1.2	1	0.08	NEW HAVEN	0.0	0	0.00	0.0	0	0.00
0.6	3	0.49	1.0	1	0.10	NEW ORLEANS	0.2	0	0.00	0.3	1	0.30
0.1	1	0.77	0.1	0	0.00	NEWPORT NEWS	0.1	0	0.00	0.1	0	0.00
13.9	27	0.19	17.6	0	0.00	NEW YORK	1.0	0	0.00	1.2	0	0.00
0.3	0	0.00	0.5	0	0.00	NORFOLK	0.1	0	0.00	0.2	0	0.00
0.0	1	2.30	0.0	0	0.00	ODESSA	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
0.6	2	0.35	0.7	0	0.00	OKLAHOMA CITY	0.0	0	0.00	0.0	0	0.00
0.6	1	0.17	0.7	0	0.00	OMAHA	0.0	0	0.00	0.0	0	0.00
0.4	1	0.25	0.5	0	0.00	ORLANDO	0.0	0	0.00	0.0	0	0.00
1.5	4	0.26	1.9	1	0.05	PATERSON	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	PENSACOLA	0.0	0	0.00	0.0	0	0.00
0.4	2	0.51	0.5	0	0.00	PEORIA	0.0	0	0.00	0.0	0	0.00
5.0	13	0.25	6.8	0	0.00	PHILADELPHIA	0.6	0	0.00	0.7	1	0.13
0.7	0	0.00	0.8	0	0.00	PHOENIX	0.0	0	0.00	0.0	0	0.00
3.2	7	0.21	3.8	1	0.03	PITTSBURGH	0.2	0	0.00	0.2	0	0.00
0.2	3	1.31	0.3	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
0.3	2	0.67	0.4	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
1.3	2	0.16	1.7	0	0.00	PORTLAND OREG.	0.0	0	0.00	0.0	0	0.00
1.1	4	0.36	1.5	0	0.00	PROVIDENCE	0.0	0	0.00	0.0	0	0.00
0.1	1	1.09	0.1	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
0.2	1	0.56	0.2	0	0.00	PUEBLO	0.0	0	0.00	0.0	0	0.00
0.2	1	0.51	0.2	0	0.00	RACINE	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	RALEIGH	0.0	0	0.00	0.1	0	0.00
0.4	0	0.00	0.6	0	0.00	READING	0.0	1	21.23	0.0	0	0.00
0.1	1	0.90	0.1	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
0.3	2	0.56	0.6	0	0.00	RICHMOND	0.1	0	0.00	0.1	0	0.00
0.2	0	0.00	0.3	0	0.00	ROANOKE	0.0	0	0.00	0.0	0	0.00
0.9	1	0.11	1.2	0	0.00	ROCHESTER	0.0	0	0.00	0.0	0	0.00
0.3	2	0.75	0.3	0	0.00	ROCKFORD	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	0	0.00	SACRAMENTO	0.0	0	0.00	0.0	0	0.00
0.2	2	0.89	0.3	0	0.00	SAGINAW	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.2	0	0.00	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
2.4	7	0.28	3.4	0	0.00	ST. LOUIS	0.3	0	0.00	0.4	0	0.00
0.4	1	0.24	0.5	0	0.00	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
0.6	1	0.15	0.9	0	0.00	SAN ANTONIO	0.0	0	0.00	0.1	0	0.00
1.1	4	0.42	1.3	0	0.00	SAN BERNARDINO	0.0	0	0.00	0.0	0	0.00
1.1	1	0.09	1.4	0	0.00	SAN DIEGO	0.0	0	0.00	0.0	0	0.00
3.4	5	0.14	4.5	0	0.00	SAN FRANCISCO	0.3	0	0.00	0.2	0	0.00
0.6	1	0.15	0.9	0	0.00	SAN JOSE	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.1	1	0.88	0.2	1	0.57	SAVANNAH	0.1	0	0.00	0.1	0	0.00
0.4	1	0.26	0.5	0	0.00	SCRANTON	0.0	0	0.00	0.0	0	0.00
1.5	3	0.19	1.9	0	0.00	SEATTLE	0.1	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	SHREVEPORT	0.1	0	0.00	0.1	0	0.00
0.2	1	0.52	0.2	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	1	0.68	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.4	0	0.00	SOUTH BEND	0.0	0	0.00	0.0	0	0.00
0.5	2	0.42	0.5	0	0.00	SPOKANE	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	SPRINGFIELD I.	0.0	0	0.00	0.0	0	0.00
0.2	0	0.00	0.3	0	0.00	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
0.2	1	0.53	0.2	0	0.00	SPRINGFIELD O.	0.0	0	0.00	0.0	0	0.00
0.7	3	0.39	1.1	1	0.09	SPRINGFIELD MA	0.0	0	0.00	0.0	0	0.00
0.2	1	0.42	0.2	0	0.00	STEUBENVILLE	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	0	0.00	STOCKTON	0.0	0	0.00	0.0	0	0.00
0.8	1	0.12	1.0	0	0.00	SYRACUSE	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	0	0.00	TACOMA	0.0	0	0.00	0.0	0	0.00
1.8	3	0.16	1.9	0	0.00	TAMPA	0.1	0	0.00	0.1	0	0.00
0.2	1	0.52	0.2	0	0.00	TERRE HAUTE	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.1	0	0.00	TEXARKANA	0.0	0	0.00	0.0	0	0.00
0.6	3	0.48	0.8	0	0.00	TOLEDO	0.0	0	0.00	0.0	0	0.00
0.2	1	0.52	0.3	0	0.00	TOPEKA	0.0	0	0.00	0.0	0	0.00
0.3	1	0.29	0.4	0	0.00	TRENTON	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.3	0	0.00	TUCSON	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	0	0.00	TULSA	0.0	0	0.00	0.1	0	0.00
0.1	0	0.00	0.1	0	0.00	TUSCALOOSA	0.0	0	0.00	0.0	0	0.00
0.1	1	1.11	0.1	0	0.00	TYLER	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.7	0	0.00	UTICA	0.0	0	0.00	0.0	0	0.00
0.2	3	1.61	0.2	0	0.00	WACO	0.0	0	0.00	0.0	0	0.00
1.4	1	0.07	2.2	0	0.00	WASHINGTON	0.4	2	0.50	0.5	0	0.00
0.2	1	0.62	0.2	0	0.00	WATERLOO	0.0	0	0.00	0.0	0	0.00
0.4	2	0.51	0.4	0	0.00	W. PALM BEACH	0.0	0	0.00	0.0	0	0.00
0.3	1	0.28	0.4	1	0.23	WHEELING	0.0	0	0.00	0.0	0	0.00
0.3	1	0.30	0.6	0	0.00	WICHITA	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	WICHITA FALLS	0.0	0	0.03	0.0	0	0.00
0.5	0	0.00	0.7	1	0.16	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
0.4	1	0.26	0.5	0	0.00	WILMINGTON	0.0	0	0.00	0.0	0	0.00
0.1	0	0.00	0.2	0	0.00	WINSTON-SALEM	0.0	0	0.00	0.1	0	0.00
0.9	1	0.10	1.3	0	0.00	WORCESTER	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.4	0	0.00	YORK	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.7	0	0.00	YOUNGSTOWN	0.0	1	2.10	0.0	0	0.00
131.7	294	0.22	172.6	26	0.01	TOTAL 201 SMSA	11.5	7	0.06	13.2	2	0.01

ALL AGE STANDARD RATE = 0.10.

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF TONGUE (I.S.C. 141)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
1.3	1	0.73	1.6	0	0.00	ABILENE	0.1	0	0.00	0.1	0	0.00
6.5	9	1.35	7.3	0	0.00	AKRON	0.4	0	0.00	0.4	0	0.00
0.4	1	2.74	0.4	1	2.29	ALBANY GA	0.2	0	0.00	0.3	0	0.00
10.2	31	2.97	12.5	7	0.55	ALBANY NY	0.2	1	5.74	0.2	0	0.00
2.2	1	0.44	2.5	0	0.00	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
7.6	17	2.20	8.8	2	0.22	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
2.3	1	0.43	2.8	1	0.36	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.4	2	1.41	1.6	1	0.61	AMARILLO	0.1	0	0.00	0.1	0	0.00
1.7	2	1.15	2.1	0	0.00	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
1.7	1	0.57	2.1	1	0.48	ASHEVILLE	0.2	0	0.00	0.2	0	0.00
8.4	10	1.17	11.0	6	0.53	ATLANTA	2.1	5	2.29	2.9	3	1.03
2.6	2	0.76	3.1	1	0.31	ATLANTIC CITY	0.4	0	0.00	0.5	0	0.00
1.4	4	2.74	1.8	0	0.00	AUGUSTA	0.6	3	4.67	0.8	1	1.16
2.1	1	0.47	2.6	2	0.76	AUSTIN	0.3	0	0.00	0.4	0	0.00
3.2	4	1.22	3.2	2	0.61	BAKERSFIELD	0.3	0	0.00	0.2	0	0.00
17.7	39	2.17	21.6	4	0.18	BALTIMORE	3.7	0	0.00	3.9	1	0.25
1.4	3	2.12	1.7	1	0.59	BATON ROUGE	0.7	3	4.19	0.8	3	3.49
1.3	0	0.00	1.5	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
2.7	4	1.49	3.0	1	0.33	BEAUMONT	0.7	0	0.00	0.7	0	0.00
1.0	0	0.00	1.0	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
3.1	2	0.63	3.7	0	0.00	BINGHAMTON	0.0	1	42.92	0.0	0	0.00
5.2	4	0.76	6.4	0	0.00	BIRMINGHAM	2.6	1	0.38	3.1	1	0.32
45.5	80	1.92	59.8	27	0.45	BOSTON	1.0	4	4.03	1.1	0	0.00
9.2	28	2.90	10.9	5	0.45	BRIDGEPORT	0.3	1	3.42	0.3	0	0.00
3.7	5	1.31	4.6	1	0.21	BROCKTON	0.1	0	0.00	0.1	0	0.00
1.4	2	1.41	1.5	3	1.94	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
17.6	45	2.50	20.4	12	0.58	BUFFALO	0.8	0	0.00	0.7	0	0.00
4.7	7	1.45	5.3	0	0.00	CANTON	0.2	0	0.00	0.2	0	0.00
1.9	2	1.04	2.3	2	0.86	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
1.2	0	0.00	1.5	0	0.00	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.2	3	2.51	1.5	0	0.00	CHARLESTON SC	0.6	0	0.00	0.8	0	0.00
2.8	0	0.00	3.1	1	0.31	CHARLESTON WVA	0.2	1	4.40	0.2	0	0.00
2.1	3	1.42	2.7	2	0.73	CHARLOTTE	0.6	0	0.00	0.7	0	0.00
2.9	9	3.06	3.5	2	0.55	CHATTANOOGA	0.6	3	4.90	0.7	0	0.00
78.4	144	1.80	90.1	46	0.50	CHICAGO	8.8	16	1.79	9.5	0	0.00
13.3	33	2.43	17.2	9	0.51	CINCINNATI	1.6	6	3.78	1.7	1	0.59
22.4	40	1.75	26.2	19	0.71	CLEVELAND	2.6	6	2.30	2.7	2	0.72
1.5	3	1.94	2.0	0	0.00	COLORADO SPRGS	0.0	0	0.00	0.0	0	0.00
1.8	3	1.63	2.3	0	0.00	COLUMBIA	0.7	0	0.00	0.8	1	1.24
1.2	3	2.40	1.6	2	1.24	COLUMBUS GA	0.5	0	0.00	0.7	0	0.00
7.2	16	2.19	9.1	1	0.11	COLUMBUS OHIO	0.9	1	1.08	1.0	1	1.00
1.9	1	0.51	2.1	1	0.48	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
10.8	22	2.00	13.6	6	0.43	DALLAS	1.6	0	0.00	1.7	0	0.00
4.0	7	1.73	4.5	3	0.65	DAVENPORT	0.1	0	0.00	0.1	0	0.00
7.5	8	1.04	8.8	6	0.67	DAYTON	0.7	0	0.00	0.7	1	1.38
1.6	4	2.41	2.0	0	0.00	DECATUR	0.1	0	0.00	0.1	0	0.00
11.0	12	1.07	13.4	5	0.37	DENVER	0.4	0	0.00	0.4	0	0.00
3.5	7	1.96	4.4	2	0.46	DES MOINES	0.1	0	0.00	0.2	0	0.00
42.7	86	1.97	45.0	19	0.41	DETROIT	5.5	7	1.24	5.6	1	0.18
1.1	3	2.75	1.4	1	0.69	DUBUQUE	0.0	0	0.00	0.0	0	0.00
4.7	5	1.04	4.7	1	0.21	DULUTH	0.0	0	0.00	0.0	0	0.00
0.9	2	2.27	1.2	1	0.85	DURHAM	0.4	0	0.00	0.4	0	0.00
2.4	4	1.66	2.8	2	0.69	EL PASO	0.1	0	0.00	0.1	0	0.00
3.5	8	2.24	4.0	1	0.25	ERIE	0.1	0	0.00	0.1	0	0.00
2.1	1	0.46	2.2	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
2.7	6	2.17	3.4	1	0.29	EVANSVILLE	0.2	0	0.00	0.2	0	0.00
6.2	12	1.90	8.0	1	0.12	FALL RIVER	0.1	0	0.00	0.1	0	0.00
1.4	2	1.39	1.5	1	0.66	FARGO	0.0	0	0.00	0.0	0	0.00
4.0	1	0.25	4.3	0	0.00	FLINT	0.2	0	0.00	0.2	2	8.08
5.4	8	1.44	5.7	3	0.51	FT. LAUDERDALE	0.4	1	2.69	0.4	0	0.00
1.0	0	0.00	1.2	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
2.9	7	2.39	3.5	2	0.56	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
6.0	6	0.98	7.2	2	0.27	FORT WORTH	0.7	2	2.89	0.7	1	1.31
4.4	7	1.55	4.6	2	0.42	FRESNO	0.4	0	0.00	0.3	0	0.00
1.0	1	0.95	1.2	0	0.00	GADSDEN	0.2	0	0.00	0.2	0	0.00
1.4	5	3.63	1.4	0	0.00	GALVESTON	0.3	1	2.88	0.3	0	0.00
6.0	8	1.31	5.7	1	0.17	GARY	0.8	0	0.00	0.8	2	2.60
4.8	5	1.03	5.7	0	0.00	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.9	3	3.24	0.9	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.6	1	0.63	1.8	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
2.1	2	0.93	2.6	1	0.37	GREENSBORO	0.5	2	4.22	0.5	1	1.87
1.8	3	1.63	2.3	2	0.86	GREENVILLE	0.3	1	2.98	0.4	0	0.00
2.2	0	0.00	2.5	0	0.00	HAMILTON	0.1	0	0.00	0.1	0	0.00
4.6	4	0.84	5.8	1	0.17	HARRISBURG	0.2	1	4.03	0.3	0	0.00
9.4	19	1.98	11.0	1	0.09	HARTFORD	0.2	0	0.00	0.3	1	3.62
1.2	4	3.22	1.3	1	0.77	HONOLULU	3.3	3	0.90	2.5	0	0.00
10.4	20	1.89	11.9	4	0.33	HOUSTON	2.3	4	1.71	2.5	1	0.40
3.5	3	0.84	4.0	1	0.24	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
0.8	2	2.35	0.9	0	0.00	HUNTSVILLE	0.2	0	0.00	0.3	0	0.00
7.8	17	2.13	9.9	6	0.59	INDIANAPOLIS	1.2	2	1.64	1.3	2	1.49
1.8	9	2.78	2.0	1	0.49	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
1.2	1	0.83	1.5	0	0.00	JACKSON MISS	0.7	1	1.31	0.9	0	0.00
3.7	14	3.76	4.4	1	0.22	JACKSONVILLE	1.1	4	3.52	1.3	0	0.00
9.5	31	3.19	11.1	5	0.44	JERSEY CITY	0.3	2	5.72	0.4	0	0.00
4.4	5	1.12	4.6	0	0.00	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
2.1	2	0.95	2.5	0	0.00	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
12.6	23	1.79	15.7	3	0.19	KANSAS CITY	1.6	2	1.23	1.7	0	0.00
1.4	3	2.04	1.5	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
4.1	5	1.19	4.9	2	0.40	KNOXVILLE	0.4	1	2.79	0.4	0	0.00
1.0	2	1.96	1.1	1	0.90	LAKE CHARLES	0.3	0	0.00	0.3	0	0.00
3.9	1	0.25	4.9	1	0.20	LANCASTER	0.0	0	0.00	0.0	0	0.00
3.6	0	0.00	4.1	1	0.24	LANSING	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.8	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
1.4	2	1.42	1.2	0	0.00	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.7	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
1.4	0	0.00	1.7	0	0.00	LEXINGTON	0.3	2	6.37	0.3	1	2.86
1.4	1	0.70	1.6	0	0.00	LIMA	0.1	0	0.00	0.1	0	0.00
2.0	2	0.97	2.6	2	0.76	LINCOLN	0.0	0	0.00	0.0	0	0.00
2.5	4	1.57	3.0	1	0.33	LITTLE ROCK	0.7	3	4.14	0.8	0	0.00
2.5	4	1.59	2.6	0	0.00	LORAIN	0.1	0	0.00	0.1	0	0.00
82.9	123	1.46	105.8	43	0.40	LOS ANGELES	5.5	8	1.42	5.8	2	0.34

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF TONGUE (I.S.C. 141)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
7.9	17	2.10	10.1	3	0.29	LOUISVILLE	1.1	9	7.78	1.3	1	0.77
1.3	0	0.00	1.5	0	0.00	LUBBOCK	0.1	0	0.00	0.1	0	0.00
1.1	0	0.00	1.5	3	1.99	LYNCHBURG	0.3	1	3.44	0.3	0	0.00
1.2	4	3.22	1.6	1	0.62	MACON	0.5	1	1.90	0.7	0	0.00
2.7	4	1.47	3.2	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
2.7	2	0.74	3.4	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
4.4	8	1.79	5.8	2	0.34	MEMPHIS	2.7	0	0.00	3.0	0	0.00
13.8	16	1.14	14.9	4	0.26	MIAMI	1.0	0	0.00	1.1	3	2.77
0.4	0	0.00	0.5	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
16.3	32	1.93	18.7	7	0.37	MILWAUKEE	0.4	0	0.00	0.0	0	0.00
19.3	19	0.97	23.6	2	0.08	MINNEAPOLIS	0.3	1	3.33	0.4	0	0.00
2.2	7	3.07	2.6	4	1.50	MOBILE	0.9	1	1.08	0.3	0	0.00
0.8	1	1.19	1.0	0	0.00	MONROE	0.4	0	0.00	1.1	0	0.00
1.1	1	0.91	1.4	0	0.00	MONTGOMERY	0.7	0	0.00	0.5	0	0.00
1.4	3	2.19	1.6	3	1.84	MUNCIE	0.1	0	0.00	0.9	1	1.06
1.8	2	1.12	1.9	1	0.52	MUSKEGON	0.1	0	0.00	0.1	0	0.00
3.9	4	1.02	5.1	2	0.39	NASHVILLE	0.9	2	2.09	0.1	0	0.00
22.9	41	1.76	27.6	10	0.36	NEWARK	2.1	5	2.36	1.1	0	0.00
9.5	23	2.39	11.1	2	0.18	NEW HAVEN	0.3	0	0.00	2.4	1	0.40
7.5	28	3.68	9.7	4	0.41	NEW ORLEANS	2.7	3	1.08	0.3	1	3.17
1.5	4	2.60	1.6	0	0.00	NEWPORT NEWS	0.6	0	0.00	3.4	1	0.29
153.5	310	1.98	180.4	78	0.42	NEW YORK	12.4	36	2.84	0.6	1	1.61
3.8	6	1.54	4.6	3	0.64	NORFOLK	1.5	1	0.66	15.0	8	0.52
0.6	0	0.00	0.6	0	0.00	ODESSA	0.0	0	0.00	1.7	1	0.59
1.2	1	0.80	1.3	1	0.74	OGDEN	0.0	1	28.98	0.0	0	0.00
5.9	2	0.33	7.1	0	0.00	OKLAHOMA CITY	0.5	0	0.00	0.0	0	0.00
5.8	8	1.35	6.8	0	0.00	OMAHA	0.3	0	0.00	0.5	0	0.00
3.7	13	3.44	4.3	4	0.92	ORLANDO	0.5	0	0.00	0.3	0	0.00
16.6	42	2.49	19.3	10	0.51	PATERSON	0.4	0	0.00	0.5	0	0.00
1.5	0	0.00	1.7	0	0.00	PENSACOLA	0.3	0	0.00	0.4	0	0.00
4.0	2	0.50	4.6	1	0.21	PEORIA	0.1	1	10.51	0.4	0	0.00
53.4	112	2.06	65.1	20	0.30	PHILADELPHIA	7.3	19	2.57	0.1	0	0.00
7.6	9	1.16	8.0	1	0.12	PHOENIX	0.4	0	0.00	8.2	7	0.84
33.8	61	1.77	37.5	11	0.29	PITTSBURGH	2.3	4	1.74	0.3	0	0.00
2.2	3	1.35	2.8	1	0.35	PITTSFIELD	0.0	0	0.00	2.1	1	0.46
2.8	5	1.77	3.6	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
13.2	12	0.89	15.1	9	0.58	PORTLAND OREG.	0.3	1	3.27	0.0	0	0.00
11.0	21	1.88	13.8	4	0.28	PROVIDENCE	0.2	0	0.00	0.2	0	0.00
1.0	0	0.00	1.1	0	0.00	PROVO	0.0	0	0.00	0.2	0	0.00
1.7	2	1.18	1.8	2	1.09	PUEBLO	0.0	0	0.00	0.0	0	0.00
1.9	1	0.51	2.2	0	0.00	RACINE	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.7	1	0.58	RALEIGH	0.4	0	0.00	0.0	0	0.00
4.6	6	1.29	5.3	3	0.56	READING	0.1	1	18.52	0.5	0	0.00
1.2	2	1.67	1.1	0	0.00	RENO	0.0	0	0.00	0.1	0	0.00
3.8	8	2.06	5.2	1	0.19	RICHMOND	1.2	2	1.65	0.0	0	0.00
1.9	1	0.51	2.4	2	0.83	ROANOKE	0.3	0	0.00	1.4	0	0.00
8.7	13	1.46	10.7	9	0.82	ROCHESTER	0.2	1	5.87	0.3	0	0.00
2.7	6	2.18	3.1	2	0.64	ROCKFORD	0.1	0	0.00	0.2	0	0.00
5.7	8	1.37	5.9	2	0.33	SACRAMENTO	0.4	0	0.00	0.1	0	0.00
2.3	5	2.18	2.5	2	0.78	SAGINAW	0.1	0	0.00	0.3	0	0.00
1.6	3	1.78	2.1	1	0.47	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
25.2	40	1.56	31.5	9	0.28	ST. LOUIS	3.5	9	2.53	0.1	0	0.00
4.2	0	0.00	4.8	0	0.00	SALT LAKE CITY	0.1	0	0.00	3.9	5	1.24
0.8	1	1.17	1.0	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
6.7	9	1.31	8.4	1	0.12	SAN ANTONIO	0.5	3	5.95	0.1	0	0.00
11.2	10	0.88	12.2	5	0.40	SAN BERNARDINO	0.4	0	0.00	0.6	0	0.00
11.1	16	1.41	13.3	3	0.22	SAN DIEGO	0.4	2	5.19	0.3	0	0.00
36.1	74	2.01	42.9	18	0.41	SAN FRANCISCO	3.5	5	1.39	0.3	0	0.00
6.7	8	1.17	8.1	3	0.36	SAN JOSE	0.2	0	0.00	2.8	0	0.00
2.1	6	2.74	2.7	2	0.74	SANTA BARBARA	0.1	0	0.00	0.2	0	0.00
1.3	2	1.55	1.7	1	0.59	SAVANNAH	0.7	2	2.93	0.1	0	0.00
3.9	11	2.76	4.9	0	0.00	SCRANTON	0.0	0	0.00	0.9	1	1.15
15.4	22	1.40	17.3	12	0.68	SEATTLE	0.7	1	1.45	0.0	0	0.00
2.1	1	0.47	2.5	0	0.00	SHREVEPORT	1.1	2	1.73	0.4	1	2.24
1.7	2	1.13	2.0	0	0.00	SIOUX CITY	0.0	0	0.00	1.4	0	0.00
1.2	1	0.85	1.3	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
3.1	2	0.64	3.5	0	0.00	SOUTH BEND	0.1	0	0.00	0.0	0	0.00
4.3	2	0.46	4.7	3	0.63	SPOKANE	0.1	0	0.00	0.1	0	0.00
2.2	3	1.32	2.8	2	0.70	SPRINGFIELD I.	0.1	1	10.83	0.0	0	0.00
1.9	5	2.53	2.4	1	0.40	SPRINGFIELD MO	0.0	0	0.00	0.1	0	0.00
1.7	4	2.27	2.1	0	0.00	SPRINGFIELD O.	0.2	0	0.00	0.0	0	0.00
7.6	9	1.16	9.6	2	0.20	SPRINGFIELD MA	0.1	0	0.00	0.2	0	0.00
2.4	1	0.41	2.3	1	0.42	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
3.6	6	1.62	3.5	1	0.28	STOCKTON	0.5	0	0.00	0.1	0	0.00
7.9	9	1.12	9.2	5	0.53	SYRACUSE	0.1	0	0.00	0.2	0	0.00
4.4	3	0.66	4.9	3	0.61	TACOMA	0.1	0	0.00	0.1	0	0.00
15.7	19	1.19	17.4	5	0.28	TAMPA	0.9	2	2.09	0.1	0	0.00
1.7	3	1.69	2.1	2	0.93	TERRE HAUTE	0.1	0	0.00	1.0	0	0.00
1.1	1	0.87	1.3	0	0.00	TEXARKANA	0.3	0	0.00	0.1	0	0.00
6.3	9	1.40	7.4	5	0.66	TOLEDO	0.5	2	4.30	0.4	0	0.00
1.0	1	0.55	2.3	1	0.43	TOPEKA	0.1	0	0.00	0.5	0	0.00
3.5	6	1.67	4.2	3	0.71	TRENTON	0.3	1	3.20	0.2	0	0.00
3.1	0	0.00	3.4	7	2.02	TUCSON	0.2	0	0.00	0.3	0	0.00
5.0	8	1.58	5.9	3	0.50	TULSA	0.5	0	0.00	0.2	1	5.98
1.0	0	0.00	1.1	0	0.00	TUSCALOOSA	0.3	0	0.00	0.6	0	0.00
0.9	2	2.14	1.1	0	0.00	TYLER	0.3	0	0.00	0.4	0	0.00
5.2	8	1.51	6.1	0	0.00	UTICA	0.0	0	0.00	0.3	0	0.00
1.8	2	1.08	2.2	1	0.46	WACO	0.3	0	0.00	0.0	0	0.00
16.3	29	1.74	21.8	8	0.36	WASHINGTON	4.7	20	4.13	0.4	0	0.00
1.5	5	3.17	1.8	0	0.00	WATERLOO	0.0	0	0.00	5.4	1	0.18
3.6	4	1.08	4.0	3	0.73	W. PALM BEACH	0.5	2	3.59	0.0	0	0.00
3.2	4	1.21	3.7	3	0.81	WHEELING	0.1	0	0.00	0.4	0	0.00
3.5	1	0.28	4.3	1	0.23	WICHITA	0.2	0	0.00	0.1	0	0.00
1.4	1	0.69	1.7	0	0.00	WICHITA FALLS	0.1	0	0.00	0.2	0	0.00
5.8	14	2.38	7.1	1	0.14	WILKES-BARRE	0.0	0	0.00	0.1	0	0.00
4.1	8	1.93	4.8	2	0.41	WILMINGTON	0.5	1	1.86	0.0	0	0.00
1.5	1	0.66	1.9	0	0.00	WINSTON-SALEM	0.5	0	0.00	0.5	0	0.00
9.3	16	1.69	11.4	5	0.51	WORCESTER	0.0	0	0.00	0.6	0	0.00
3.5	2	0.56	4.0	1	0.24	YORK	0.1	0	0.00	0.0	0	0.00
6.7	5	0.74	7.1	3	0.42	YOUNGSTOWN	0.5	0	0.00	0.1	0	0.00
1400.5	2392	1.68	1662.5	644	0.38	TOTAL 201 SMSA	133.8	242	1.77	0.5	1	2.05

ALL AGE STANDARD RATE = 0.98

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF THE BUCCAL CAVITY (I.S.C. 142-144)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
1.6	1	0.73	1.9	0	0.00	ABILENE	0.1	0	0.00	0.1	0	0.00
7.4	14	2.12	8.4	4	0.54	AKRON	0.4	2	5.0[illegible]	0.5	1	2.51
0.6	0	0.00	0.5	0	0.00	ALBANY GA	0.3	0	0.00	0.4	1	2.91
11.7	20	1.93	16.5	16	1.09	ALBANY NY	0.2	1	5.79	0.2	0	0.00
2.6	3	1.32	2.9	1	0.39	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
8.7	13	1.69	10.2	0	0.00	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
2.6	6	2.56	3.2	1	0.35	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.6	1	0.70	1.9	1	0.61	AMARILLO	0.1	0	0.00	0.1	0	0.00
2.0	2	1.16	2.5	0	0.00	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
2.0	6	2.29	2.6	2	0.95	ASHEVILLE	0.2	0	0.00	0.3	0	0.00
9.7	20	2.36	12.8	11	0.97	ATLANTA	2.5	2	0.92	3.3	4	1.38
2.9	2	0.77	3.6	2	0.62	ATLANTIC CITY	0.5	1	2.22	0.6	0	0.00
1.7	0	0.00	2.1	2	1.10	AUGUSTA	0.7	0	0.00	1.0	0	0.00
2.4	7	3.26	3.0	2	0.75	AUSTIN	0.4	1	3.01	0.5	0	0.00
3.7	4	1.83	3.7	4	1.23	BAKERSFIELD	0.3	1	3.53	0.2	1	5.46
20.2	36	2.02	25.1	10	0.45	BALTIMORE	4.2	10	2.66	4.5	3	0.75
1.6	2	1.47	1.9	0	0.00	BATON ROUGE	0.8	1	1.38	1.0	1	1.15
1.6	4	2.91	1.8	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
3.1	1	0.36	3.6	1	0.33	BEAUMONT	0.8	4	6.02	0.9	0	0.00
1.1	0	0.00	1.2	1	0.98	BILLINGS	0.0	0	0.00	0.0	0	0.00
3.6	6	1.90	4.3	3	0.79	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
5.9	11	2.09	7.4	2	0.30	BIRMINGHAM	2.9	3	1.16	3.5	0	0.00
52.3	111	2.40	69.6	26	0.39	BOSTON	1.1	3	3.00	1.2	0	0.00
10.5	23	2.47	12.6	2	0.18	BRIDGEPORT	0.3	0	0.00	0.4	1	2.99
4.3	6	1.57	5.4	3	0.63	BROCKTON	0.1	0	0.00	0.1	0	0.00
1.6	2	1.40	1.8	2	1.28	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
20.2	49	2.41	23.5	16	0.67	BUFFALO	0.9	4	5.09	0.8	0	0.00
5.5	6	1.24	6.2	3	0.55	CANTON	0.2	1	5.17	0.2	0	0.00
2.2	6	2.07	2.7	4	1.68	CEDAR RAPIDS	0.0	0	0.00	0.0	1	54.06
1.4	4	3.23	1.8	1	0.66	CHAMPAIGN	0.1	1	16.78	0.1	0	0.00
1.4	4	3.36	1.7	0	0.00	CHARLESTON SC	0.7	1	1.76	0.9	0	0.00
3.3	3	1.04	3.6	0	0.00	CHARLESTON WVA	0.3	0	0.00	0.3	0	0.00
2.4	6	2.86	3.1	0	0.00	CHARLOTTE	0.6	1	1.75	0.8	0	0.00
3.3	6	2.09	4.1	3	0.83	CHATTANOOGA	0.7	0	0.00	0.8	1	1.36
89.2	139	1.76	103.5	64	0.70	CHICAGO	10.0	13	1.47	10.9	7	0.73
15.3	31	2.29	20.0	11	0.62	CINCINNATI	1.8	4	2.55	1.9	1	0.59
25.6	57	2.52	30.2	21	0.79	CLEVELAND	2.9	6	2.32	3.1	2	0.72
1.8	3	1.92	2.3	2	0.98	COLORADO SPRGS	0.0	0	0.00	0.1	0	0.00
2.1	5	2.70	2.7	3	1.26	COLUMBIA	0.8	2	3.00	0.9	0	0.00
1.4	2	1.59	1.8	2	1.23	COLUMBUS GA	0.6	0	0.00	0.8	0	0.00
8.3	16	2.19	10.6	4	0.43	COLUMBUS OHIO	1.1	1	1.06	1.1	1	1.00
2.2	2	1.02	2.4	0	0.00	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
12.4	13	1.19	15.7	11	0.79	DALLAS	1.8	2	1.23	2.0	0	0.00
4.6	9	2.23	5.3	4	0.86	DAVENPORT	0.1	1	14.57	0.1	0	0.00
8.7	8	1.04	10.3	4	0.44	DAYTON	0.8	0	0.00	0.8	1	1.37
1.9	3	1.80	2.4	1	0.48	DECATUR	0.1	0	0.00	0.1	1	15.91
12.7	12	1.07	15.7	4	0.29	DENVER	0.4	0	0.00	0.5	1	2.35
4.0	6	1.68	5.2	1	0.22	DES MOINES	0.2	1	7.09	0.2	0	0.00
48.5	88	2.05	51.7	24	0.52	DETROIT	6.3	9	1.63	6.4	2	0.35
1.2	1	0.91	1.7	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
5.5	7	1.45	5.4	4	0.83	DULUTH	0.0	0	0.00	0.0	0	0.00
1.0	1	1.14	1.3	1	0.85	DURHAM	0.4	0	0.00	0.5	0	0.00
2.8	7	2.87	3.3	2	0.68	EL PASO	0.1	0	0.00	0.1	0	0.00
4.0	9	2.55	4.6	3	0.73	ERIE	0.1	0	0.00	0.1	0	0.00
2.5	1	0.46	2.6	1	0.44	EUGENE	0.0	0	0.00	0.0	0	0.00
3.1	6	2.18	3.9	2	0.58	EVANSVILLE	0.2	0	0.00	0.3	0	0.00
7.1	16	2.56	9.3	10	1.21	FALL RIVER	0.1	0	0.00	0.1	0	0.00
1.6	0	0.00	1.7	1	0.66	FARGO	0.0	0	0.00	0.0	0	0.00
4.5	6	1.49	4.9	5	1.14	FLINT	0.3	0	0.00	0.3	0	0.00
6.2	6	1.10	6.5	4	0.70	FT. LAUDERDALE	0.4	1	2.69	0.4	0	0.00
1.1	1	1.03	1.4	2	1.66	FORT SMITH	0.1	0	0.00	0.1	0	0.00
3.3	6	2.09	4.1	0	0.00	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
6.9	5	0.82	8.4	2	0.27	FORT WORTH	0.8	1	1.45	0.9	0	0.00
5.1	10	2.22	5.4	3	0.63	FRESNO	0.5	1	2.38	0.3	0	0.00
1.2	1	0.95	1.4	1	0.82	GADSDEN	0.2	0	0.00	0.2	0	0.00
1.5	2	1.47	1.6	0	0.00	GALVESTON	0.4	0	0.00	0.6	1	2.87
6.8	3	0.50	6.6	2	0.36	GARY	0.9	3	3.77	0.9	0	0.00
5.5	5	1.03	6.6	1	0.17	GRAND RAPIDS	0.2	0	0.00	0.2	0	0.00
1.1	0	0.00	1.0	1	1.09	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.8	2	1.26	2.1	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
2.4	2	0.93	3.0	2	0.76	GREENSBORO	0.5	0	0.00	0.6	0	0.00
2.1	3	1.64	2.6	4	1.72	GREENVILLE	0.4	1	2.99	0.5	0	0.00
2.5	2	0.89	3.0	1	0.38	HAMILTON	0.1	0	0.00	0.1	1	8.79
5.3	5	1.06	6.7	2	0.33	HARRISBURG	0.3	0	0.00	0.3	0	0.00
10.8	20	2.09	12.7	6	0.53	HARTFORD	0.3	0	0.00	0.3	0	0.00
1.4	3	2.37	1.5	2	1.51	HONOLULU	3.8	4	1.19	3.0	0	0.00
11.9	20	1.90	13.8	7	0.57	HOUSTON	2.6	2	0.86	2.8	3	1.19
4.1	7	1.96	4.7	3	0.73	HUNTINGTON	0.2	1	7.30	0.2	0	0.00
1.0	0	0.00	1.1	1	1.02	HUNTSVILLE	0.3	0	0.00	0.3	0	0.00
9.0	14	1.76	11.5	1	0.10	INDIANAPOLIS	1.6	2	1.64	1.5	0	0.00
2.0	2	1.11	2.3	0	0.00	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
1.4	3	2.51	1.8	1	0.63	JACKSON MISS	0.9	1	1.31	1.0	0	0.00
4.2	12	3.22	5.1	4	0.88	JACKSONVILLE	1.3	2	1.78	1.5	1	0.75
10.8	15	1.57	12.7	7	0.63	JERSEY CITY	0.4	1	2.88	0.6	0	0.00
5.0	9	2.01	5.3	1	0.21	JOHNSTOWN	0.1	0	0.00	0.0	0	0.00
2.4	3	1.42	2.9	1	0.39	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
14.5	25	1.95	18.3	10	0.62	KANSAS CITY	1.8	1	0.62	2.0	0	0.00
1.7	3	2.09	1.7	1	0.65	KENOSHA	0.0	0	0.00	0.0	0	0.00
4.7	3	0.72	5.7	7	1.38	KNOXVILLE	0.4	0	0.00	0.5	0	0.00
1.2	0	0.00	1.3	0	0.00	LAKE CHARLES	0.3	0	0.00	0.3	0	0.00
4.5	4	0.99	5.8	0	0.00	LANCASTER	0.1	0	0.00	0.0	0	0.00
4.1	0	0.00	4.8	4	0.94	LANSING	0.1	1	14.55	0.1	0	0.00
0.7	0	0.00	0.9	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
1.6	1	0.73	1.3	3	2.56	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.8	1	1.47	0.8	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
1.6	3	2.12	2.0	1	0.56	LEXINGTON	0.4	1	3.18	0.4	1	2.85
1.6	0	0.00	1.9	3	1.79	LIMA	0.1	0	0.00	0.1	0	0.00
2.4	0	0.00	3.1	1	0.36	LINCOLN	0.0	0	0.00	0.0	0	0.00
2.9	8	3.14	3.5	3	0.98	LITTLE ROCK	0.8	0	0.00	0.9	2	2.61
2.8	3	1.19	3.1	1	0.37	LORAIN	0.1	0	0.00	0.1	0	0.00
95.3	116	1.35	125.1	52	0.48	LOS ANGELES	6.4	10	1.78	6.8	2	0.33

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF THE BUCCAL CAVITY (I.S.C. 142-144)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
9.1	16	1.73	11.8	5	0.48	LOUISVILLE	1.3	2	1.74	1.5	1	0.76
1.5	1	0.74	1.8	1	0.64	LUBBOCK	0.1	0	0.00	0.1	0	0.00
1.3	0	0.00	1.7	0	0.00	LYNCHBURG	0.3	0	0.00	0.4	0	0.00
1.4	0	0.00	1.8	2	1.23	MACON	0.6	1	1.91	0.8	2	2.67
3.1	4	1.47	3.7	1	0.30	MADISON	0.0	0	0.00	0.0	0	0.00
3.1	11	4.08	4.0	3	0.85	MANCHESTER	0.0	0	0.00	0.0	0	0.00
5.1	11	2.46	6.8	8	1.34	MEMPHIS	3.1	5	1.82	3.5	0	0.00
15.7	25	1.80	17.1	13	0.86	MIAMI	1.2	5	4.79	1.2	1	0.93
0.5	1	2.22	0.6	1	2.05	MIDLAND	0.1	0	0.00	0.1	0	0.00
18.5	26	1.58	21.6	9	0.47	MILWAUKEE	0.5	1	2.21	0.5	2	4.77
22.2	25	1.27	27.5	11	0.45	MINNEAPOLIS	0.3	0	0.00	0.3	0	0.00
2.6	0	0.00	3.0	2	0.74	MOBILE	1.0	0	0.00	1.3	2	1.75
1.0	0	0.00	1.1	0	0.00	MONROE	0.5	0	0.00	0.5	0	0.00
1.2	3	2.74	1.7	1	0.67	MONTGOMERY	0.8	1	1.48	1.1	1	1.05
1.6	1	0.71	1.9	0	0.00	MUNCIE	0.1	0	0.00	0.1	0	0.00
2.0	3	1.69	2.2	1	0.52	MUSKEGON	0.1	0	0.00	0.1	0	0.00
4.4	12	3.04	5.9	5	0.96	NASHVILLE	1.1	2	2.10	1.3	1	0.86
26.0	49	2.13	31.8	22	0.78	NEWARK	2.4	6	2.86	2.8	1	0.40
10.9	24	2.50	12.9	5	0.44	NEW HAVEN	0.3	2	6.70	0.4	0	0.00
8.5	20	2.64	11.1	8	0.81	NEW ORLEANS	3.1	7	2.55	3.9	4	1.16
1.7	1	0.65	1.8	2	1.24	NEWPORT NEWS	0.7	0	0.00	0.7	0	0.00
174.1	295	1.92	206.3	94	0.51	NEW YORK	14.1	47	3.76	17.2	11	0.72
4.4	10	2.56	5.4	4	0.86	NORFOLK	1.7	3	1.98	1.9	2	1.18
0.7	0	0.00	0.7	2	3.24	ODESSA	0.0	0	0.00	0.0	0	0.00
1.4	0	0.00	1.5	1	0.73	OGDEN	0.0	0	0.00	0.0	0	0.00
6.8	7	1.17	8.3	2	0.27	OKLAHOMA CITY	0.6	0	0.00	0.6	1	1.86
6.7	11	1.86	7.9	2	0.29	OMAHA	0.3	0	0.00	0.4	0	0.00
4.3	5	1.31	5.0	2	0.46	ORLANDO	0.6	0	0.00	0.6	0	0.00
18.9	40	2.39	22.3	9	0.46	PATERSON	0.4	0	0.00	0.5	0	0.00
1.8	1	0.64	2.0	2	1.13	PENSACOLA	0.4	1	3.04	0.5	0	0.00
4.5	9	2.24	5.4	1	0.21	PEORIA	0.1	0	0.00	0.1	0	0.00
61.0	108	2.00	75.3	30	0.45	PHILADELPHIA	8.3	13	1.77	9.4	6	0.72
8.8	8	1.03	9.2	2	0.25	PHOENIX	0.5	0	0.00	0.4	1	3.10
38.8	67	1.95	43.3	17	0.44	PITTSBURGH	2.6	3	1.33	2.4	0	0.00
2.5	3	1.35	3.2	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
3.2	6	2.11	4.2	1	0.27	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
15.2	14	1.04	17.6	4	0.26	PORTLAND OREG.	0.3	1	3.29	0.3	0	0.00
12.6	29	2.61	16.0	8	0.57	PROVIDENCE	0.2	0	0.00	0.2	1	5.98
1.2	1	0.95	1.3	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
1.9	1	0.59	2.1	0	0.00	PUEBLO	0.0	0	0.00	0.1	0	0.00
2.2	7	3.55	2.5	4	1.80	RACINE	0.0	0	0.00	0.0	0	0.00
1.6	1	0.73	2.0	2	1.16	RALEIGH	0.5	0	0.00	0.6	0	0.00
5.2	2	0.43	6.1	2	0.37	READING	0.1	0	0.00	0.1	0	0.00
1.3	2	1.68	1.3	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
4.4	3	0.79	6.1	3	0.56	RICHMOND	1.4	1	0.83	1.6	1	0.70
2.2	1	0.51	2.7	3	1.23	ROANOKE	0.3	0	0.00	0.3	0	0.00
10.1	19	2.13	12.5	5	0.45	ROCHESTER	0.2	0	0.00	0.2	0	0.00
3.1	4	1.44	3.5	3	0.96	ROCKFORD	0.1	0	0.00	0.1	0	0.00
6.6	12	2.06	6.8	2	0.33	SACRAMENTO	0.5	0	0.00	0.1	0	0.00
2.6	3	1.31	2.9	1	0.39	SAGINAW	0.2	0	0.00	0.3	0	0.00
1.9	1	0.59	2.4	1	0.46	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
28.8	54	2.12	36.9	9	0.28	ST. LOUIS	4.0	4	1.14	4.5	2	0.50
4.8	4	0.94	5.7	3	0.60	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	0	0.00	SAN ANGELO	0.0	1	22.66	0.1	0	0.00
7.8	11	1.60	9.7	4	0.46	SAN ANTONIO	0.6	1	1.99	0.7	0	0.00
12.9	20	1.75	14.2	7	0.56	SAN BERNARDINO	0.4	0	0.00	0.4	0	0.00
12.9	12	1.05	15.5	6	0.44	SAN DIEGO	0.4	1	2.55	0.4	0	0.00
41.4	89	2.43	49.8	32	0.73	SAN FRANCISCO	4.0	9	2.54	3.2	1	0.35
7.8	16	2.33	9.5	5	0.60	SAN JOSE	0.3	0	0.00	0.2	0	0.00
2.5	1	0.45	3.1	1	0.36	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
1.5	3	2.33	1.9	0	0.00	SAVANNAH	0.8	2	2.96	1.0	0	0.00
4.5	9	2.28	5.6	2	0.40	SCRANTON	0.0	0	0.00	0.0	0	0.00
17.8	22	1.40	20.2	14	0.78	SEATTLE	0.8	1	1.45	0.5	0	0.00
2.4	4	1.88	2.9	0	0.00	SHREVEPORT	1.3	0	0.00	1.6	0	0.00
2.0	2	1.13	2.3	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
1.3	2	1.69	1.5	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
3.5	8	2.55	4.0	3	0.84	SOUTH BEND	0.2	0	0.00	0.2	0	0.00
5.0	10	2.26	5.5	1	0.21	SPOKANE	0.1	0	0.00	0.1	0	0.00
2.6	3	1.32	3.3	4	1.39	SPRINGFIELD I.	0.1	0	0.00	0.1	0	0.00
2.3	3	1.50	2.8	1	0.40	SPRINGFIELD MO	0.0	0	0.00	0.1	0	0.00
2.0	1	0.56	2.4	1	0.46	SPRINGFIELD O.	0.2	0	0.00	0.2	0	0.00
8.8	10	1.29	11.2	5	0.51	SPRINGFIELD MA	0.1	0	0.00	0.2	1	7.13
2.7	4	1.66	2.7	1	0.42	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
4.2	1	0.27	4.0	2	0.56	STOCKTON	0.5	2	4.11	0.2	0	0.00
9.1	18	2.23	10.8	9	0.94	SYRACUSE	0.1	0	0.00	0.1	0	0.00
5.2	8	1.75	5.7	2	0.40	TACOMA	0.1	0	0.00	0.1	0	0.00
18.2	23	1.43	20.1	7	0.39	TAMPA	1.1	2	2.10	1.2	1	0.98
2.0	6	3.36	2.4	4	1.85	TERRE HAUTE	0.1	1	12.48	0.1	0	0.00
1.3	4	3.50	1.5	2	1.54	TEXARKANA	0.4	1	2.86	0.4	0	0.00
7.2	12	1.87	8.6	3	0.39	TOLEDO	0.5	0	0.00	0.5	0	0.00
2.1	0	0.00	2.7	0	0.00	TOPEKA	0.2	0	0.00	0.2	0	0.00
4.0	5	1.40	4.8	3	0.70	TRENTON	0.4	0	0.00	0.4	2	6.40
3.5	0	0.00	3.9	2	0.58	TUCSON	0.2	1	5.27	0.2	2	11.94
5.7	5	0.99	6.8	2	0.33	TULSA	0.6	1	2.00	0.6	0	0.00
1.2	3	2.91	1.3	1	0.85	TUSCALOOSA	0.4	0	0.00	0.4	0	0.00
1.0	2	2.15	1.2	1	0.91	TYLER	0.3	0	0.00	0.4	1	3.01
6.0	7	1.31	7.1	1	0.16	UTICA	0.1	0	0.00	0.0	0	0.00
2.1	3	1.61	2.5	2	0.90	WACO	0.4	0	0.00	0.4	0	0.00
18.7	48	2.90	25.3	19	0.25	WASHINGTON	5.4	19	3.95	6.2	3	0.54
1.8	3	1.89	2.1	0	0.00	WATERLOO	0.1	0	0.00	0.0	0	0.00
4.2	7	1.91	4.6	1	0.25	W. PALM BEACH	0.6	0	0.00	0.5	0	0.00
3.7	8	2.42	4.3	5	1.33	WHEELING	0.1	0	0.00	0.1	0	0.00
4.0	1	0.28	5.0	2	0.45	WICHITA	0.2	0	0.00	0.2	0	0.00
1.7	2	1.37	1.9	1	0.58	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
6.5	12	2.07	8.1	1	0.14	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
4.7	0	0.00	5.5	3	0.61	WILMINGTON	0.6	0	0.00	0.6	0	0.00
1.7	3	1.97	2.2	3	1.55	WINSTON-SALEM	0.5	0	0.00	0.7	1	1.64
10.7	23	2.43	13.3	6	0.51	WORCESTER	0.1	1	20.44	0.1	0	0.00
4.0	3	0.85	4.7	4	0.97	YORK	0.1	0	0.00	0.1	1	17.93
7.7	11	1.62	8.2	2	0.28	YOUNGSTOWN	0.6	0	0.00	0.5	0	0.00
1605.2	2558	1.80	1924.2	841	0.55	TOTAL 201 SMSA	153.1	257	1.90	167.4	95	0.64

ALL AGE STANDARD RATE = 1.13

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF PHARYNX (I.S.C. 145-148)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
2.2	8	5.77	2.5	2	1.25	ABILENE	0.1	0	0.00	0.1	0	0.00
10.7	16	2.36	11.7	8	1.08	AKRON	0.7	0	0.00	0.7	0	0.00
0.6	2	5.04	0.7	0	0.00	ALBANY GA	0.4	0	0.00	0.5	0	0.00
16.3	19	1.83	19.5	4	0.32	ALBANY NY	0.3	0	0.00	0.3	0	0.00
3.8	5	2.09	4.1	2	0.76	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
12.2	13	1.69	13.8	4	0.46	ALLENTOWN	0.1	0	0.00	0.1	1	20.56
3.6	3	1.31	4.3	2	0.74	ALTOONA	0.0	0	0.00	0.0	0	0.00
2.4	0	0.00	2.6	0	0.00	AMARILLO	0.1	0	0.00	0.1	0	0.00
2.8	6	3.36	3.3	1	0.48	ANN ARBOR	0.2	1	7.49	0.2	0	0.00
2.7	2	1.15	3.2	1	0.49	ASHEVILLE	0.3	1	4.71	0.4	1	4.02
14.1	25	2.80	17.7	3	0.27	ATLANTA	3.6	5	2.19	4.7	1	0.34
4.0	12	4.71	4.8	3	0.98	ATLANTIC CITY	0.7	3	6.72	0.8	0	0.00
2.4	3	1.93	2.9	4	2.19	AUGUSTA	1.0	1	1.53	1.4	2	2.32
3.4	6	2.76	4.1	1	0.39	AUSTIN	0.5	0	0.00	0.7	0	0.00
5.3	6	1.77	5.2	2	0.60	BAKERSFIELD	0.5	0	0.00	0.3	0	0.00
29.1	60	3.25	34.4	13	0.60	BALTIMORE	6.3	10	2.50	6.6	4	0.96
2.4	3	1.99	2.8	2	1.14	BATON ROUGE	1.1	3	4.12	1.4	0	0.00
2.2	5	3.61	2.4	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
4.6	6	2.05	4.9	2	0.64	BEAUMONT	1.1	2	2.89	1.1	0	0.00
1.5	2	2.04	1.6	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
5.0	4	1.26	5.8	1	0.27	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
8.5	16	2.96	10.3	6	0.92	BIRMINGHAM	4.2	5	2.25	5.0	1	0.32
72.7	198	4.29	92.8	28	0.48	BOSTON	1.6	9	8.83	1.7	1	0.91
14.9	36	3.81	17.2	5	0.46	BRIDGEPORT	0.5	3	9.59	0.6	0	0.00
5.9	8	2.14	7.0	4	0.90	BROCKTON	0.1	0	0.00	0.1	0	0.00
2.3	4	2.74	2.5	1	0.63	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
28.6	55	3.08	32.3	11	0.54	BUFFALO	1.4	5	5.84	1.3	1	1.25
7.6	12	2.50	8.3	1	0.19	CANTON	0.3	1	4.89	0.3	0	0.00
3.0	6	3.15	3.5	1	0.44	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
2.0	4	3.20	2.4	0	0.00	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
2.0	6	4.68	2.4	0	0.00	CHARLESTON SC	1.0	1	1.61	1.3	1	1.21
4.7	6	2.02	5.1	1	0.31	CHARLESTON WVA	0.4	1	4.43	0.4	0	0.00
3.5	5	2.25	4.4	0	0.00	CHARLOTTE	1.0	1	1.65	1.2	0	0.00
4.7	1	0.33	5.7	3	0.83	CHATTANOOGA	1.0	3	4.79	1.2	0	0.00
127.9	261	3.22	143.8	39	0.43	CHICAGO	14.9	24	2.54	15.9	4	0.40
21.4	63	4.63	26.9	9	0.53	CINCINNATI	2.6	6	3.70	2.8	0	0.00
36.3	72	3.12	41.7	9	0.36	CLEVELAND	4.3	14	5.07	4.6	1	0.34
2.5	0	0.00	3.1	0	0.00	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
3.1	5	2.57	3.7	1	0.42	COLUMBIA	1.1	2	2.89	1.3	2	2.42
2.1	5	3.70	2.6	1	0.61	COLUMBUS GA	0.9	3	5.43	1.2	1	1.31
11.7	25	3.37	14.3	5	0.55	COLUMBUS OHIO	1.5	1	1.03	1.6	1	0.99
3.3	5	2.41	3.4	1	0.46	CORPUS CHRISTI	0.2	0	0.00	0.2	0	0.00
17.9	36	3.17	21.7	9	0.65	DALLAS	2.6	3	1.79	2.8	0	0.00
6.3	8	1.99	7.1	2	0.46	DAVENPORT	0.1	0	0.00	0.1	0	0.00
12.3	20	2.56	14.1	7	0.78	DAYTON	1.2	1	1.33	1.2	1	1.32
2.6	2	1.21	3.1	1	0.50	DECATUR	0.1	0	0.00	0.1	0	0.00
17.8	15	1.33	21.1	9	0.67	DENVER	0.6	1	2.47	0.7	0	0.00
5.6	2	0.56	6.9	4	0.91	DES MOINES	0.2	0	0.00	0.2	0	0.00
70.5	139	3.11	73.1	24	0.52	DETROIT	9.5	13	2.16	9.5	4	0.66
1.7	6	5.58	2.2	1	0.73	DUBUQUE	0.0	0	0.00	0.0	0	0.00
7.4	11	2.34	7.4	2	0.43	DULUTH	0.0	0	0.00	0.0	0	0.00
1.4	4	4.37	1.8	0	0.00	DURHAM	0.6	2	5.19	0.7	0	0.00
4.0	4	1.56	4.7	5	1.68	EL PASO	0.1	1	13.97	0.1	0	0.00
5.6	9	2.55	6.3	3	0.75	ERIE	0.1	0	0.00	0.1	0	0.00
3.5	5	2.27	3.5	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
4.3	6	2.19	5.3	4	1.20	EVANSVILLE	0.3	1	4.63	0.4	0	0.00
9.9	9	1.43	12.5	2	0.25	FALL RIVER	0.1	0	0.00	0.1	0	0.00
2.3	2	1.39	2.4	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
6.6	8	1.92	6.9	1	0.23	FLINT	0.4	0	0.00	0.4	0	0.00
8.6	10	1.83	9.2	4	0.69	FT. LAUDERDALE	0.6	0	0.00	0.6	2	5.00
1.5	3	3.14	1.8	1	0.87	FORT SMITH	0.1	0	0.00	0.1	0	0.00
4.7	6	2.03	5.5	1	0.29	FORT WAYNE	0.1	1	10.55	0.2	0	0.00
9.9	21	3.34	11.6	5	0.68	FORT WORTH	1.1	4	5.66	1.2	0	0.00
7.1	8	1.77	7.4	3	0.64	FRESNO	0.6	1	2.43	0.5	0	0.00
1.7	1	0.93	1.9	2	1.66	GADSDEN	0.3	0	0.00	0.3	0	0.00
2.3	2	1.40	2.3	3	2.03	GALVESTON	0.6	0	0.00	0.6	0	0.00
9.9	13	2.07	9.4	3	0.50	GARY	1.3	1	1.17	1.3	1	1.22
7.6	7	1.45	8.9	2	0.36	GRAND RAPIDS	0.2	0	0.00	0.2	0	0.00
1.5	1	1.07	1.4	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
2.5	3	1.88	2.8	1	0.56	GREEN BAY	0.0	0	0.00	0.0	0	0.00
3.5	6	2.68	4.3	3	1.11	GREENSBORO	0.8	2	3.99	0.9	0	0.00
3.0	5	2.61	3.7	3	1.28	GREENVILLE	0.6	1	2.87	0.7	0	0.00
3.6	2	0.88	4.1	1	0.39	HAMILTON	0.2	0	0.00	0.2	0	0.00
7.5	7	1.48	9.1	4	0.70	HARRISBURG	0.4	2	7.82	0.4	0	0.00
15.3	29	2.99	17.4	7	0.63	HARTFORD	0.4	1	3.66	0.5	0	0.00
2.2	9	6.45	2.2	1	0.73	HONOLULU	5.5	16	4.55	4.3	7	2.56
17.6	30	2.69	19.6	5	0.40	HOUSTON	3.9	9	3.66	4.1	1	0.38
5.6	12	3.37	6.3	2	0.50	HUNTINGTON	0.2	0	0.00	0.2	0	0.00
1.4	2	2.21	1.6	1	1.01	HUNTSVILLE	0.4	1	4.48	0.4	1	3.83
12.7	20	2.47	15.6	3	0.30	INDIANAPOLIS	2.0	3	2.42	2.1	1	0.74
2.8	6	3.33	3.1	1	0.51	JACKSON MICH	0.2	0	0.00	0.1	1	17.83
2.0	1	0.80	2.5	0	0.00	JACKSON MISS	1.2	2	2.60	1.4	1	1.11
6.2	17	4.35	7.2	5	1.10	JACKSONVILLE	1.9	2	1.70	2.2	0	0.00
15.4	31	3.17	17.6	8	0.72	JERSEY CITY	0.6	1	2.67	0.7	0	0.00
6.9	7	1.59	7.2	1	0.22	JOHNSTOWN	0.1	1	19.86	0.1	0	0.00
3.4	6	2.82	3.9	2	0.81	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
20.4	23	1.78	24.7	5	0.32	KANSAS CITY	2.6	7	4.32	2.7	0	0.00
2.3	1	0.68	2.4	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
6.8	8	1.86	8.0	1	0.20	KNOXVILLE	0.6	4	11.04	0.7	0	0.00
1.7	5	4.60	1.8	1	0.87	LAKE CHARLES	0.4	1	3.51	0.5	0	0.00
6.2	5	1.26	7.6	1	0.21	LANCASTER	0.1	1	21.83	0.1	0	0.00
5.8	8	2.19	6.5	3	0.72	LANSING	0.1	1	13.52	0.1	0	0.00
1.1	0	0.00	1.3	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
2.4	1	0.67	2.0	0	0.00	LAS VEGAS	0.2	0	0.00	0.1	0	0.00
1.1	2	2.84	1.2	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
2.2	3	2.10	2.7	0	0.00	LEXINGTON	0.5	0	0.00	0.5	0	0.00
2.2	2	1.41	2.5	0	0.00	LIMA	0.1	0	0.00	0.1	0	0.00
3.2	5	2.44	4.1	1	0.39	LINCOLN	0.0	0	0.00	0.0	0	0.00
4.1	8	3.09	4.7	2	0.67	LITTLE ROCK	1.1	0	0.00	1.3	0	0.00
4.0	6	2.35	4.2	0	0.00	LORAIN	0.2	1	7.93	0.2	0	0.00
135.0	199	2.32	166.2	76	0.72	LOS ANGELES	9.4	19	3.19	9.9	4	0.64

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF PHARYNX (I.S.C. 145-148)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
13.0	36	4.38	15.9	8	0.79	LOUISVILLE	1.8	8	6.89	2.1	0	0.00
2.2	3	2.11	2.5	1	0.63	LUBBOCK	0.2	0	0.00	0.1	0	0.00
1.8	2	1.72	2.3	2	1.36	LYNCHBURG	0.5	1	3.44	0.5	0	0.00
2.1	2	1.53	2.6	1	0.61	MACON	0.9	0	0.00	1.2	0	0.00
4.3	7	2.56	5.0	3	0.94	MADISON	0.0	0	0.00	0.0	0	0.00
4.3	7	2.59	5.3	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
7.3	14	3.03	9.3	4	0.68	MEMPHIS	4.3	5	1.82	4.9	0	0.00
22.0	34	2.43	23.9	8	0.53	MIAMI	1.8	6	5.20	1.9	1	0.85
0.8	0	0.00	0.8	0	0.00	MIDLAND	0.1	1	18.97	0.1	0	0.00
26.4	64	3.82	29.7	8	0.42	MILWAUKEE	0.8	1	2.03	0.7	1	2.19
31.1	46	2.33	37.2	9	0.38	MINNEAPOLIS	0.5	3	9.72	0.5	0	0.00
3.7	7	2.95	4.3	3	1.11	MOBILE	1.5	3	3.10	1.8	2	1.72
1.4	2	2.32	1.5	1	1.03	MONROE	0.6	1	2.52	0.7	0	0.00
1.8	3	2.62	2.3	0	0.00	MONTGOMERY	1.1	1	1.47	1.5	0	0.00
2.2	0	0.00	2.5	0	0.00	MUNCIE	0.1	0	0.00	0.1	0	0.00
2.3	4	2.74	3.0	0	0.00	MUSKEGON	0.2	1	8.45	0.2	0	0.00
6.3	14	3.50	8.0	4	0.78	NASHVILLE	1.5	5	5.17	1.8	1	0.86
37.1	48	2.06	43.6	8	0.29	NEWARK	3.5	1	0.44	4.1	3	1.15
15.2	29	3.01	17.5	7	0.63	NEW HAVEN	0.5	2	6.49	0.5	1	3.02
12.4	35	4.45	14.6	9	0.97	NEW ORLEANS	4.5	13	4.51	5.5	3	0.86
2.6	3	1.83	2.6	0	0.00	NEWPORT NEWS	1.1	3	4.40	1.0	0	0.00
248.7	421	2.67	287.7	108	0.59	NEW YORK	21.3	64	4.75	25.5	13	0.81
6.6	23	5.53	7.5	2	0.42	NORFOLK	2.5	10	6.31	2.8	1	0.57
1.1	1	1.38	1.1	1	1.48	ODESSA	0.1	0	0.00	0.1	0	0.00
2.0	1	0.78	2.1	0	0.00	OGDEN	0.1	0	0.00	0.0	0	0.00
9.6	18	2.96	11.3	4	0.56	OKLAHOMA CITY	0.8	0	0.00	0.9	0	0.00
9.4	18	3.03	10.8	5	0.73	OMAHA	0.5	5	16.05	0.5	0	0.00
5.9	9	2.41	6.7	3	0.71	ORLANDO	0.9	1	1.79	0.9	0	0.00
27.1	34	1.99	30.9	9	0.46	PATERSON	0.6	0	0.00	0.8	0	0.00
2.6	1	0.61	2.8	2	1.12	PENSACOLA	0.5	1	2.95	0.7	0	0.00
6.4	17	4.20	7.2	4	0.87	PEORIA	0.2	0	0.00	0.2	0	0.00
86.6	148	2.70	102.7	35	0.54	PHILADELPHIA	12.2	20	2.59	13.6	5	0.58
12.5	7	0.88	13.0	4	0.48	PHOENIX	0.7	0	0.00	0.5	0	0.00
54.6	96	2.73	59.6	24	0.64	PITTSBURGH	3.7	8	3.42	3.5	1	0.45
3.5	6	2.72	4.3	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
4.4	5	1.80	5.5	5	1.43	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
20.9	23	1.73	23.5	6	0.40	PORTLAND OREG.	0.5	0	0.00	0.4	0	0.00
17.6	47	4.27	21.8	5	0.37	PROVIDENCE	0.3	0	0.00	0.3	0	0.00
1.7	0	0.00	1.8	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
2.6	1	0.60	2.8	2	1.13	PUEBLO	0.1	0	0.00	0.1	0	0.00
3.1	5	2.54	3.6	0	0.00	RACINE	0.1	0	0.00	0.0	0	0.00
2.2	2	1.40	2.7	1	0.58	RALEIGH	0.7	1	2.23	0.8	0	0.00
7.3	6	1.29	8.3	1	0.19	READING	0.1	1	17.87	0.1	0	0.00
1.9	7	6.08	1.8	2	1.76	RENO	0.1	0	0.00	0.0	0	0.00
6.3	14	3.53	8.3	2	0.38	RICHMOND	2.0	5	4.01	2.3	2	1.37
3.1	3	1.57	3.7	0	0.00	ROANOKE	0.6	2	7.22	0.5	0	0.00
14.0	22	2.49	16.7	3	0.28	ROCHESTER	0.3	0	0.00	0.3	0	0.00
4.4	4	1.44	4.8	1	0.33	ROCKFORD	0.1	0	0.00	0.1	0	0.00
9.4	10	1.67	9.5	2	0.33	SACRAMENTO	0.7	0	0.00	0.5	0	0.00
3.6	4	1.73	4.0	1	0.40	SAGINAW	0.2	0	0.00	0.2	0	0.00
2.6	4	2.47	3.2	0	0.00	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
40.7	86	3.33	49.5	16	0.51	ST. LOUIS	5.7	12	3.32	6.4	7	1.72
6.8	6	1.38	7.7	1	0.20	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.4	1	1.17	1.6	1	1.02	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
11.1	24	3.40	13.4	13	1.53	SAN ANTONIO	0.8	6	11.47	1.0	0	0.00
17.8	19	1.68	19.3	8	0.65	SAN BERNARDINO	0.6	1	2.43	0.6	1	2.86
18.3	24	2.07	21.1	10	0.75	SAN DIEGO	0.7	1	2.35	0.6	0	0.00
58.6	107	2.88	67.7	31	0.72	SAN FRANCISCO	6.1	19	4.95	4.8	6	1.96
11.0	11	1.57	12.9	6	0.74	SAN JOSE	0.4	0	0.00	0.3	0	0.00
3.5	6	2.73	4.2	1	0.38	SANTA BARBARA	0.1	0	0.00	0.1	1	18.05
2.1	4	2.97	2.7	3	1.76	SAVANNAH	1.1	1	1.41	1.4	2	2.26
6.3	15	3.78	7.7	5	1.03	SCRANTON	0.0	0	0.00	0.0	0	0.00
24.8	41	2.63	27.2	14	0.81	SEATTLE	1.1	3	4.24	0.7	0	0.00
3.5	4	1.82	4.1	2	0.77	SHREVEPORT	1.8	1	0.87	2.2	0	0.00
2.7	7	4.04	3.1	2	1.03	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
1.9	3	2.56	2.1	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
5.0	6	1.89	5.6	1	0.28	SOUTH BEND	0.2	0	0.00	0.2	0	0.00
6.7	8	1.87	7.2	0	0.00	SPOKANE	0.1	0	0.00	0.1	0	0.00
3.5	4	1.78	4.6	1	0.36	SPRINGFIELD I.	0.1	0	0.00	0.2	0	0.00
3.0	8	4.15	3.7	2	0.85	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
2.7	6	3.44	3.2	1	0.49	SPRINGFIELD O.	0.3	0	0.00	0.3	0	0.00
12.2	19	2.45	15.0	6	0.63	SPRINGFIELD MA	0.2	0	0.00	0.2	0	0.00
3.8	4	1.65	3.7	0	0.00	STEUBENVILLE	0.2	0	0.00	0.2	1	10.39
5.8	10	2.73	5.3	4	1.18	STOCKTON	0.8	1	1.97	0.3	0	0.00
12.7	26	3.24	14.4	2	0.22	SYRACUSE	0.2	0	0.00	0.2	0	0.00
7.1	6	1.36	7.6	2	0.42	TACOMA	0.2	0	0.00	0.1	1	12.35
23.9	45	2.97	26.7	15	0.89	TAMPA	1.6	2	2.02	1.7	2	1.89
2.7	2	1.15	3.2	1	0.49	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
1.8	1	0.88	2.0	1	0.79	TEXARKANA	0.5	1	2.93	0.6	1	2.68
10.2	26	4.03	11.6	3	0.41	TOLEDO	0.8	1	2.07	0.8	0	0.00
2.8	1	0.55	3.5	1	0.45	TOPEKA	0.2	0	0.00	0.2	1	6.40
5.7	10	2.75	6.6	3	0.72	TRENTON	0.5	1	3.00	0.5	0	0.00
5.0	3	0.94	5.5	3	0.85	TUCSON	0.3	0	0.00	0.3	0	0.00
8.0	11	2.16	9.6	5	0.86	TULSA	0.8	1	1.99	0.9	0	0.00
1.6	1	0.94	1.8	0	0.00	TUSCALOOSA	0.5	0	0.00	0.6	0	0.00
1.5	2	2.13	1.7	0	0.00	TYLER	0.5	0	0.00	0.5	0	0.00
8.2	17	3.26	9.6	0	0.00	UTICA	0.1	0	0.00	0.1	0	0.00
2.9	4	2.15	3.6	0	0.00	WACO	0.5	1	3.04	0.6	0	0.00
27.5	46	2.63	35.1	14	0.63	WASHINGTON	8.1	24	4.69	9.0	2	0.35
2.5	4	2.56	2.9	0	0.00	WATERLOO	0.1	0	0.00	0.1	0	0.00
5.6	7	1.96	6.3	3	0.76	W. PALM BEACH	0.9	1	1.71	0.8	1	2.10
5.1	15	4.67	5.7	3	0.84	WHEELING	0.1	0	0.00	0.1	0	0.00
5.7	6	1.65	6.8	2	0.46	WICHITA	0.3	1	5.18	0.3	0	0.00
2.3	3	2.02	2.7	1	0.59	WICHITA FALLS	0.2	2	19.76	0.2	0	0.00
9.3	5	0.85	11.2	2	0.28	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
6.7	13	3.08	7.6	3	0.62	WILMINGTON	0.9	2	3.61	0.8	0	0.00
2.5	2	1.26	3.1	1	0.51	WINSTON-SALEM	0.8	0	0.00	1.0	0	0.00
14.8	32	3.42	17.7	6	0.53	WORCESTER	0.1	0	0.00	0.1	0	0.00
5.6	4	1.13	6.3	1	0.25	YORK	0.1	1	17.64	0.1	0	0.00
10.7	18	2.65	11.3	2	0.28	YOUNGSTOWN	0.9	1	1.77	0.8	0	0.00
2272.9	3873	2.69	2634.6	927	0.55	TOTAL 201 SMSA	224.1	467	3.29	241.5	106	0.69

ALL AGE STANDARD RATE = 1.58

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF ESOPHAGUS (I.S.C. 150)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
4.3	4	2.94	5.2	1	0.61	ABILENE	0.2	1	17.69	0.2	0	0.00
21.2	31	4.64	23.6	4	0.56	AKRON	1.3	7	17.70	1.2	2	5.08
1.1	1	2.81	1.4	0	0.00	ALBANY GA	0.7	1	4.37	1.1	2	5.86
33.2	56	5.35	40.7	17	1.32	ALBANY NY	0.5	1	5.82	0.6	1	5.72
7.1	10	4.44	7.9	0	0.00	ALBUQUERQUE	0.2	0	0.00	0.2	0	0.00
24.5	32	4.14	28.4	8	0.89	ALLENTOWN	0.2	1	19.94	0.1	0	0.00
7.5	8	3.39	9.0	3	1.06	ALTOONA	0.1	1	59.34	0.1	0	0.00
4.5	1	0.71	5.2	2	1.23	AMARILLO	0.2	2	30.88	0.2	0	0.00
5.5	8	4.63	6.8	1	0.47	ANN ARBOR	0.4	1	8.19	0.4	0	0.00
5.6	2	1.14	6.7	3	1.43	ASHEVILLE	0.7	1	4.73	0.8	0	0.00
26.9	30	3.54	35.5	27	2.41	ATLANTA	6.8	26	12.05	9.1	5	1.74
8.4	12	4.53	10.3	3	0.93	ATLANTIC CITY	1.4	7	15.33	1.7	1	1.92
4.6	9	6.25	5.7	1	0.56	AUGUSTA	2.0	5	7.83	2.7	1	1.16
6.7	7	3.30	8.3	3	1.14	AUSTIN	1.0	3	9.15	1.4	0	0.00
10.4	10	3.06	10.3	1	0.31	BAKERSFIELD	0.9	2	6.96	0.6	0	0.00
56.8	91	5.09	70.1	22	1.00	BALTIMORE	11.9	62	16.57	12.9	14	3.55
4.4	9	6.50	5.3	4	2.39	BATON ROUGE	2.3	2	2.81	2.7	3	3.51
4.3	8	5.85	4.9	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
8.8	12	4.34	9.6	4	1.32	BEAUMONT	2.1	5	7.54	2.1	2	2.98
3.1	1	1.03	3.2	1	0.99	BILLINGS	0.0	0	0.00	0.0	0	0.00
10.1	25	7.85	12.0	5	1.32	BINGHAMTON	0.1	1	43.18	0.1	0	0.00
16.7	19	3.62	20.7	6	0.92	BIRMINGHAM	8.3	19	7.25	9.9	5	1.61
147.5	264	5.67	194.6	81	1.32	BOSTON	3.1	11	11.12	3.4	5	4.62
29.6	54	5.79	35.1	9	0.81	BRIDGEPORT	0.9	8	27.98	1.0	1	3.06
12.1	14	3.67	14.9	2	0.43	BROCKTON	0.3	0	0.00	0.2	0	0.00
4.5	7	4.98	4.9	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
57.1	126	7.00	66.1	26	1.25	BUFFALO	2.5	10	12.80	2.3	1	1.38
15.3	22	4.55	17.2	8	1.48	CANTON	0.6	2	10.29	0.6	0	0.00
6.1	6	2.09	7.4	2	0.85	CEDAR RAPIDS	0.0	0	0.00	0.1	0	0.00
3.8	2	1.66	4.9	0	0.00	CHAMPAIGN	0.2	1	17.48	0.2	0	0.00
3.7	10	8.91	4.7	5	3.36	CHARLESTON SC	1.8	10	17.58	2.5	3	3.79
9.1	11	3.84	10.1	3	0.94	CHARLESTON WVA	0.7	0	0.00	0.8	0	0.00
6.6	11	5.27	8.7	3	1.10	CHARLOTTE	1.8	5	8.83	2.2	2	2.89
9.3	7	2.39	11.5	2	0.55	CHATTANOOGA	1.9	5	8.20	2.4	0	0.00
253.4	483	6.05	291.8	98	1.07	CHICAGO	28.0	129	14.62	30.2	30	3.15
43.1	69	5.08	55.9	23	1.30	CINCINNATI	5.0	26	16.48	5.4	8	4.73
72.4	159	6.92	84.9	17	0.66	CLEVELAND	8.2	22	8.52	8.7	7	2.55
4.9	8	5.22	6.3	5	2.51	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
5.8	5	2.75	7.4	3	1.28	COLUMBIA	2.1	1	1.52	2.6	2	2.48
3.9	3	2.45	5.1	0	0.00	COLUMBUS GA	1.6	6	11.56	2.4	1	1.35
23.1	37	5.09	29.4	10	1.08	COLUMBUS OHIO	3.0	6	6.37	3.1	6	6.05
6.1	3	1.55	6.6	2	0.97	CORPUS CHRISTI	0.3	1	9.96	0.3	0	0.00
34.6	33	3.02	43.7	14	1.02	DALLAS	5.1	10	6.19	5.5	2	1.16
12.8	13	3.21	14.7	3	0.65	DAVENPORT	0.2	0	0.00	0.2	0	0.00
24.2	27	3.54	28.6	3	0.33	DAYTON	2.3	11	15.45	2.3	1	1.39
5.3	4	2.41	6.5	2	0.97	DECATUR	0.2	3	52.24	0.2	0	0.00
35.3	27	2.42	43.4	16	1.17	DENVER	1.2	4	10.25	1.3	3	7.21
11.4	17	4.74	14.4	7	1.54	DES MOINES	0.4	2	14.14	0.5	0	0.00
138.1	228	5.24	145.2	45	0.98	DETROIT	17.6	58	12.28	17.7	10	1.79
3.5	5	4.57	4.6	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
15.4	27	5.54	15.3	2	0.41	DULUTH	0.1	2	86.97	0.1	1	58.83
2.8	4	4.58	3.7	3	2.57	DURHAM	1.2	0	0.00	1.4	0	0.00
7.5	10	4.20	9.1	4	1.40	EL PASO	0.2	1	15.74	0.2	0	0.00
11.2	21	5.94	12.9	1	0.25	ERIE	0.2	1	17.19	0.2	0	0.00
6.9	5	2.39	7.1	1	0.45	EUGENE	0.0	0	0.00	0.0	0	0.00
8.8	8	2.90	10.9	3	0.87	EVANSVILLE	0.7	0	0.00	0.7	1	4.37
20.1	34	5.68	26.2	10	1.21	FALL RIVER	0.2	2	26.25	0.2	0	0.00
4.6	4	2.78	4.8	2	1.32	FARGO	0.0	0	0.00	0.0	0	0.00
12.8	11	2.73	13.7	3	0.69	FLINT	0.8	2	8.35	0.8	1	4.14
17.9	18	3.19	18.8	6	1.01	FT. LAUDERDALE	1.1	3	8.31	1.1	2	5.62
3.1	2	2.07	3.8	1	0.86	FORT SMITH	0.2	0	0.00	0.3	0	0.00
9.3	12	4.10	11.3	4	1.12	FORT WAYNE	0.3	3	34.55	0.3	0	0.00
19.3	14	2.63	23.3	9	1.22	FORT WORTH	2.2	2	2.91	2.6	1	1.32
16.3	14	3.56	15.0	3	0.63	FRESNO	1.3	4	9.60	0.9	0	0.00
3.3	1	0.96	3.9	1	0.82	GADSDEN	0.5	1	6.46	0.6	0	0.00
4.3	7	5.13	4.6	1	0.69	GALVESTON	1.1	4	11.61	1.1	0	0.00
19.2	26	4.30	18.4	6	1.03	GARY	2.5	2	2.51	2.4	3	3.97
15.4	23	4.74	18.4	9	1.55	GRAND RAPIDS	0.4	2	14.67	0.4	0	0.00
2.9	3	3.24	2.9	1	1.10	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
5.0	11	6.93	5.8	4	2.19	GREEN BAY	0.0	0	0.00	0.1	0	0.00
6.8	1	0.47	8.5	3	1.13	GREENSBORO	1.5	5	10.70	1.7	1	1.89
5.8	7	3.86	7.3	2	0.87	GREENVILLE	1.1	0	0.00	1.3	0	0.00
7.1	7	3.14	8.2	1	0.39	HAMILTON	0.3	2	18.28	0.4	0	0.00
15.0	18	3.80	18.8	5	0.84	HARRISBURG	0.8	5	20.23	0.9	1	3.63
30.4	75	7.81	35.6	13	1.16	HARTFORD	0.8	11	44.67	0.9	1	3.67
3.8	6	4.98	4.1	3	7.34	HONOLULU	10.4	24	7.30	8.1	1	0.39
33.1	40	3.84	38.1	15	1.25	HOUSTON	7.3	31	13.48	7.8	7	2.84
11.4	14	3.90	13.0	3	0.73	HUNTINGTON	0.4	1	7.29	0.5	0	0.00
2.7	0	0.00	3.0	0	0.00	HUNTSVILLE	0.7	1	4.53	0.8	0	0.00
25.2	35	4.40	32.1	16	1.58	INDIANAPOLIS	3.9	13	10.67	4.2	3	2.25
5.7	6	3.34	6.5	4	1.96	JACKSON MICH	0.3	0	0.00	0.2	0	0.00
3.7	4	3.39	5.0	4	2.55	JACKSON MISS	2.4	3	3.95	2.8	0	0.00
11.7	17	4.60	14.2	7	1.56	JACKSONVILLE	3.6	22	19.58	4.2	9	6.80
30.9	75	7.70	36.0	15	1.32	JERSEY CITY	1.1	6	17.42	1.2	5	12.92
14.2	27	6.04	14.9	5	1.07	JOHNSTOWN	0.2	0	0.00	0.1	0	0.00
6.7	5	2.37	8.0	1	0.39	KALAMAZOO	0.2	0	0.00	0.2	1	17.75
40.7	47	3.66	50.9	16	1.00	KANSAS CITY	5.2	24	14.73	5.5	8	4.58
4.7	8	5.42	4.9	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
13.2	15	3.60	16.0	7	1.39	KNOXVILLE	1.1	4	11.24	1.3	2	4.71
3.2	4	4.00	3.5	1	0.91	LAKE CHARLES	0.9	1	3.64	0.9	1	3.59
12.7	10	2.50	15.9	4	0.80	LANCASTER	0.1	0	0.00	0.1	0	0.00
11.5	11	3.04	13.4	5	1.19	LANSING	0.2	1	14.82	0.2	0	0.00
2.1	3	4.53	2.6	1	1.23	LAREDO	0.0	0	0.00	0.0	0	0.00
4.4	6	4.35	3.7	3	2.60	LAS VEGAS	0.3	0	0.00	0.2	0	0.00
2.1	2	3.08	2.3	0	0.00	LAWTON	0.2	1	15.14	0.2	0	0.00
4.5	3	2.14	5.6	3	1.71	LEXINGTON	1.0	4	12.67	1.1	0	0.00
4.5	3	2.10	5.3	1	0.60	LIMA	0.2	1	14.17	0.2	0	0.00
6.6	10	4.82	8.6	2	0.76	LINCOLN	0.1	0	0.00	0.1	0	0.00
8.1	9	3.54	9.6	2	0.66	LITTLE ROCK	2.3	4	5.48	2.6	1	1.20
7.9	15	6.00	8.5	2	0.75	LORAIN	0.4	2	16.73	0.4	0	0.00
287.2	301	3.57	343.3	113	1.04	LOS ANGELES	17.5	44	7.97	18.6	13	2.21

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF ESOPHAGUS (I.S.C. 150)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
25.6	41	5.09	32.7	21	2.04	LOUISVILLE	3.7	19	16.42	4.1	5	3.83
4.2	6	7.99	4.9	2	1.30	LUBBOCK	0.3	2	20.69	0.3	0	0.00
3.7	7	6.07	4.8	0	0.00	LYNCHBURG	0.9	3	10.32	1.1	1	2.95
3.9	4	3.24	5.1	3	1.87	MACON	1.7	7	13.39	2.4	4	5.37
8.6	12	4.42	10.4	4	1.22	MADISON	0.1	0	0.00	0.0	0	0.00
8.7	13	4.76	11.1	1	0.29	MANCHESTER	0.0	1	298.94	0.0	0	0.00
14.1	22	4.96	18.8	7	1.18	MEMPHIS	8.7	15	5.47	9.7	3	0.98
44.8	51	3.61	48.6	17	1.11	MIAMI	3.2	24	23.51	3.3	9	8.56
1.4	1	2.30	1.5	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
52.6	127	7.66	60.7	20	1.05	MILWAUKEE	1.4	4	9.10	1.3	1	2.47
62.5	93	4.72	76.8	24	0.99	MINNEAPOLIS	0.9	6	20.06	0.9	0	0.00
7.1	18	8.01	9.4	5	1.89	MOBILE	2.9	5	5.47	3.6	3	2.66
2.7	3	3.56	3.1	0	0.00	MONROE	1.3	1	2.48	1.5	0	0.00
3.4	2	1.85	4.7	1	0.68	MONTGOMERY	2.1	5	7.45	3.0	0	0.00
4.4	8	5.74	5.2	1	0.61	MUNCIE	0.2	3	39.97	0.2	1	13.77
5.7	10	5.61	6.1	1	0.52	MUSKEGON	0.3	0	0.00	0.3	0	0.00
12.3	10	2.57	16.4	7	1.36	NASHVILLE	3.0	14	14.71	3.7	6	5.17
73.8	110	4.72	83.6	29	1.03	NEWARK	6.6	41	19.67	7.8	4	1.63
30.6	65	6.74	34.2	16	1.40	NEW HAVEN	0.9	4	13.80	1.0	1	3.22
24.0	31	4.10	31.2	5	0.51	NEW ORLEANS	8.8	33	11.96	10.8	13	3.81
4.8	8	5.30	5.0	0	0.00	NEWPORT NEWS	2.0	11	17.03	1.9	6	9.79
497.6	877	5.59	585.5	285	1.56	NEW YORK	39.6	274	21.95	47.8	60	3.98
12.2	24	6.26	14.8	8	1.71	NORFOLK	4.8	26	17.32	5.3	3	1.78
2.0	1	1.60	1.9	0	0.00	ODESSA	0.1	0	0.00	0.1	0	0.00
4.0	4	3.21	4.3	0	0.00	OGDEN	0.1	3	87.24	0.1	0	0.00
18.9	10	1.68	23.0	5	0.69	OKLAHOMA CITY	1.5	6	12.28	1.7	1	1.88
18.8	27	4.71	22.1	8	1.15	OMAHA	1.0	1	3.24	1.0	0	0.00
12.1	9	2.37	13.9	4	0.91	ORLANDO	1.7	6	11.36	1.7	1	1.89
53.3	93	5.54	62.5	22	1.12	PATERSON	1.2	8	21.62	1.4	0	0.00
4.9	8	5.19	5.5	5	2.88	PENSACOLA	1.0	3	9.32	1.3	2	5.00
12.8	16	3.98	15.0	2	0.42	PEORIA	0.3	1	10.66	0.3	0	0.00
172.5	300	5.52	211.2	90	1.35	PHILADELPHIA	23.3	120	16.34	26.2	22	2.66
24.6	25	3.22	25.8	3	0.37	PHOENIX	1.3	3	7.41	1.0	0	0.00
109.3	189	5.48	121.3	37	0.97	PITTSBURGH	7.3	14	6.08	6.8	3	1.40
7.1	20	8.97	9.0	2	0.71	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
9.0	7	2.47	11.7	1	0.27	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
43.0	38	2.80	49.2	15	0.97	PORTLAND OREG.	1.0	3	9.94	0.7	0	0.00
35.5	55	4.91	44.9	9	0.64	PROVIDENCE	0.5	5	30.57	0.5	0	0.00
3.3	0	0.00	3.6	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
5.4	3	1.77	5.8	1	0.55	PUEBLO	0.1	0	0.00	0.1	0	0.00
6.3	11	5.56	7.0	2	0.90	RACINE	0.1	0	0.00	0.1	0	0.00
4.3	2	1.47	5.4	1	0.58	RALEIGH	1.4	5	11.61	1.7	1	1.91
14.8	13	2.78	17.1	4	0.74	READING	0.2	2	37.19	0.2	0	0.00
3.8	5	4.19	3.5	3	2.69	RENO	0.1	0	0.00	0.1	0	0.00
12.2	17	4.41	17.0	6	1.12	RICHMOND	3.8	20	16.69	4.5	6	4.21
6.2	5	2.56	7.7	1	0.41	ROANOKE	0.9	6	22.20	1.0	0	0.00
28.4	45	5.02	35.0	11	1.00	ROCHESTER	0.5	3	18.08	0.5	0	0.00
8.7	14	5.08	9.9	3	0.96	ROCKFORD	0.2	1	15.99	0.2	0	0.00
18.4	27	4.66	19.9	9	1.51	SACRAMENTO	1.3	7	16.73	0.9	1	3.61
7.3	8	3.50	8.2	3	1.17	SAGINAW	0.4	1	7.17	0.4	0	0.00
5.4	7	4.13	6.8	2	0.93	ST. JOSEPH	0.2	0	0.00	0.2	0	0.00
81.3	140	5.46	102.2	21	0.65	ST. LOUIS	11.2	61	17.21	12.7	9	2.25
13.5	9	2.12	15.7	2	0.40	SALT LAKE CITY	0.2	0	0.00	0.2	0	0.00
2.7	6	7.01	3.2	0	0.00	SAN ANGELO	0.1	0	0.00	0.2	0	0.00
21.7	28	4.10	27.1	17	1.99	SAN ANTONIO	1.6	4	7.97	2.0	2	3.18
36.3	40	3.49	39.8	12	0.96	SAN BERNARDINO	1.2	1	2.57	1.1	1	2.97
35.8	26	2.30	43.1	18	1.33	SAN DIEGO	1.2	3	7.97	1.1	2	5.74
116.7	195	5.30	139.2	59	1.34	SAN FRANCISCO	11.2	23	6.54	8.7	8	2.90
21.4	29	4.20	26.0	11	1.34	SAN JOSE	0.7	2	8.72	0.5	0	0.00
6.9	11	5.03	8.6	3	1.10	SANTA BARBARA	0.3	0	0.00	0.2	0	0.00
4.0	7	5.50	5.4	3	1.76	SAVANNAH	2.2	11	16.20	2.7	3	3.47
12.7	27	6.75	15.9	6	1.20	SCRANTON	0.0	0	0.00	0.0	0	0.00
49.7	60	3.83	56.2	23	1.30	SEATTLE	2.2	6	8.77	1.4	0	0.00
6.7	7	3.31	8.2	0	0.00	SHREVEPORT	3.7	5	4.29	4.5	4	2.84
5.7	10	5.61	6.4	0	0.00	SIOUX CITY	0.1	0	0.00	0.1	1	42.76
3.8	5	4.22	4.3	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
10.0	13	4.14	11.3	2	0.56	SOUTH BEND	0.5	2	13.97	0.4	1	7.31
13.9	11	2.90	15.2	4	0.86	SPOKANE	0.2	0	0.00	0.2	0	0.00
7.2	16	7.01	9.1	1	0.35	SPRINGFIELD I.	0.3	1	10.79	0.3	0	0.00
6.3	8	4.03	7.9	2	0.80	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
5.6	9	5.11	6.7	1	0.47	SPRINGFIELD O.	0.5	1	5.99	0.6	0	0.00
24.7	38	4.88	31.3	12	1.21	SPRINGFIELD MA	0.4	1	8.58	0.4	0	0.00
7.7	11	4.56	7.5	3	1.26	STEUBENVILLE	0.3	0	0.00	0.3	1	10.69
11.8	14	3.77	11.2	5	1.41	STOCKTON	1.6	1	2.02	0.6	2	9.93
25.6	34	4.21	30.0	10	1.06	SYRACUSE	0.4	3	27.00	0.3	1	9.53
14.4	19	4.19	15.8	6	1.21	TACOMA	0.3	2	21.42	0.2	0	0.00
51.9	55	3.36	57.4	18	0.99	TAMPA	3.0	9	9.49	3.2	5	4.94
5.7	8	4.46	6.9	5	2.31	TERRE HAUTE	0.3	0	0.00	0.3	0	0.00
3.6	5	4.36	4.1	1	0.77	TEXARKANA	1.1	1	2.84	1.2	0	0.00
20.5	37	5.72	24.1	9	1.18	TOLEDO	1.5	7	15.18	1.5	2	4.26
5.8	2	1.10	7.4	1	0.43	TOPEKA	0.5	1	7.00	0.5	0	0.00
11.4	25	6.94	13.5	5	1.17	TRENTON	1.0	4	13.04	1.0	0	0.00
9.9	15	4.83	11.0	2	0.58	TUCSON	0.6	1	5.28	0.5	0	0.00
16.0	14	2.78	19.1	3	0.50	TULSA	1.6	2	3.97	1.8	0	0.00
3.[illegible]	2	1.95	3.7	1	0.86	TUSCALOOSA	1.0	1	3.06	1.2	1	2.64
3.[illegible]	2	2.14	3.5	2	1.82	TYLER	1.0	0	0.00	1.1	0	0.00
16.7	20	3.75	19.7	2	0.32	UTICA	0.1	1	22.81	0.1	0	0.00
5.9	8	4.30	7.0	1	0.45	WACO	1.1	3	8.94	1.2	1	2.59
52.0	75	4.57	70.0	21	0.95	WASHINGTON	15.0	95	20.04	17.2	19	3.51
5.0	2	1.27	5.9	0	0.00	WATERLOO	0.1	2	45.41	0.1	0	0.00
11.9	8	2.13	13.2	3	0.72	W. PALM BEACH	1.7	2	3.65	1.4	1	2.29
10.5	20	6.04	11.9	7	1.87	WHEELING	0.3	0	0.00	0.3	0	0.00
11.1	5	1.43	13.7	2	0.46	WICHITA	0.0	0	0.00	0.6	0	0.00
4.6	1	0.69	5.4	3	1.75	WICHITA FALLS	0.3	1	10.25	0.3	0	0.00
18.7	24	4.07	23.0	10	1.38	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
13.0	21	5.11	15.4	2	0.41	WILMINGTON	1.7	10	18.73	1.6	2	3.93
4.8	3	1.99	6.1	8	4.16	WINSTON-SALEM	1.5	3	6.21	1.9	1	1.63
30.1	43	4.52	37.2	8	0.68	WORCESTER	0.2	0	0.00	0.2	0	0.00
11.2	9	2.56	13.0	3	0.73	YORK	0.2	0	0.00	0.2	0	0.00
21.6	40	5.88	22.9	5	0.69	YOUNGSTOWN	1.7	9	16.56	1.5	0	0.00
4524.9	6795	4.76	5387.6	1883	1.11	TOTAL 201 SMSA	427.9	1723	12.77	464.6	403	2.76

ALL AGE STANDARD RATE = 3.37

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF STOMACH (I.S.C. 151)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
15.8	18	13.23	19.5	9	5.36	ABILENE	0.6	2	35.85	0.7	0	0.00
75.3	93	14.35	84.7	67	8.98	AKRON	4.2	12	33.01	4.3	10	26.84
3.9	5	9.83	5.0	1	2.33	ALBANY GA	2.7	5	21.77	4.0	6	11.52
121.6	150	15.22	155.1	89	6.67	ALBANY NY	1.9	3	18.50	2.0	2	11.65
24.9	34	15.89	28.4	27	11.06	ALBUQUERQUE	0.6	0	0.00	0.6	0	0.00
99.6	129	16.77	107.7	86	9.07	ALLENTOWN	0.5	1	21.19	0.5	0	0.00
27.9	28	12.06	36.6	25	8.45	ALTOONA	0.2	2	121.02	0.2	0	0.00
15.6	13	9.68	18.8	8	4.96	AMARILLO	0.7	2	33.46	0.7	0	0.00
19.9	21	12.29	25.9	18	8.09	ANN ARBOR	1.3	5	43.84	1.6	1	8.58
20.5	27	15.33	26.2	9	4.15	ASHEVILLE	2.4	6	29.09	2.9	2	8.14
94.5	78	8.61	131.7	47	4.15	ATLANTA	24.0	33	15.99	32.7	22	7.83
31.5	46	16.23	39.2	39	11.58	ATLANTIC CITY	5.3	7	15.24	6.1	3	5.72
15.9	13	9.59	21.0	6	2.21	AUGUSTA	7.4	11	17.33	10.0	9	10.46
24.5	27	12.81	31.4	15	5.55	AUSTIN	3.9	3	9.00	5.1	6	13.59
36.7	38	12.36	37.2	17	5.32	BAKERSFIELD	3.2	7	25.72	2.0	3	17.56
200.7	235	13.61	261.5	176	7.76	BALTIMORE	40.7	112	31.98	46.1	42	11.06
14.9	10	7.80	19.2	7	4.26	BATON ROUGE	8.3	17	23.88	10.0	11	12.75
15.8	27	19.91	18.5	17	10.71	BAY CITY	0.1	1	131.55	0.1	0	0.00
30.1	32	12.36	34.6	11	3.72	BEAUMONT	7.4	21	32.96	7.5	12	18.65
11.3	10	10.31	11.9	1	0.97	BILLINGS	0.1	0	0.00	0.1	0	0.00
36.6	50	15.84	45.3	23	5.90	BINGHAMTON	0.3	0	0.00	0.2	0	0.00
59.4	55	10.77	74.7	32	4.85	BIRMINGHAM	29.4	68	26.92	35.7	30	9.78
542.3	767	16.46	744.0	526	8.22	BOSTON	11.4	23	23.43	12.8	11	10.00
106.6	150	16.36	131.6	105	9.24	BRIDGEPORT	3.1	11	41.29	3.6	3	9.79
45.4	53	13.58	58.7	41	8.19	BROCKTON	1.0	5	56.12	0.7	0	0.00
16.1	10	7.22	17.9	9	5.83	BROWNSVILLE	0.2	2	136.88	0.1	0	0.00
205.5	[illegible]	19.06	245.9	181	8.56	BUFFALO	8.3	21	29.55	7.8	9	13.33
56.5	33	14.81	65.3	36	6.61	CANTON	2.1	3	16.43	2.0	1	5.72
22.7	19	9.72	28.9	8	3.22	CEDAR RAPIDS	0.2	0	0.00	0.2	0	0.00
14.2	13	10.67	18.9	9	5.56	CHAMPAIGN	0.7	3	52.79	0.7	0	0.00
12.9	16	12.62	17.3	7	4.71	CHARLESTON SC	6.2	13	24.51	9.0	16	18.02
32.3	28	10.62	36.8	25	7.89	CHARLESTON WVA	2.6	4	17.57	2.8	3	12.40
23.0	23	11.60	31.9	14	5.09	CHARLOTTE	6.2	11	20.59	7.7	7	10.53
33.3	23	8.03	42.3	18	4.95	CHATTANOOGA	6.7	14	24.11	8.4	8	11.04
899.0	1426	18.41	1071.7	910	9.87	CHICAGO	95.8	238	28.87	106.4	100	10.92
196.7	198	11.50	213.2	113	6.16	CINCINNATI	17.6	48	31.69	19.1	16	9.75
280.2	387	17.20	314.3	239	8.86	CLEVELAND	28.1	78	32.30	30.7	20	7.56
18.0	10	6.49	24.6	8	3.81	COLORADO SPRGS	0.4	0	0.00	0.5	1	21.48
20.4	13	7.42	27.5	7	2.95	COLUMBIA	7.5	11	17.12	9.6	12	14.91
13.5	11	7.47	18.6	6	3.75	COLUMBUS GA	5.8	10	19.97	8.5	9	12.26
83.7	88	12.22	111.5	56	6.43	COLUMBUS OHIO	10.7	29	31.57	11.4	7	7.16
21.3	36	18.58	27.6	19	9.42	CORPUS CHRISTI	1.0	2	22.17	1.2	1	9.60
122.5	98	9.30	161.9	77	6.53	DALLAS	18.3	36	21.60	19.6	15	8.90
47.0	49	12.11	56.0	26	6.98	DAVENPORT	0.8	0	0.00	0.7	2	32.72
87.5	81	10.76	107.6	52	6.62	DAYTON	7.9	19	27.86	8.1	8	11.65
19.6	18	10.68	25.1	16	7.41	DECATUR	0.7	2	35.56	0.7	0	0.00
129.6	148	13.07	165.6	90	6.32	DENVER	4.5	7	18.03	4.9	6	14.24
41.8	32	8.89	55.2	25	5.27	DES MOINES	1.7	4	28.14	1.8	2	12.63
483.3	796	19.19	574.9	403	8.92	DETROIT	98.5	141	28.00	60.9	63	12.03
13.1	18	15.98	18.3	11	6.99	DUBUQUE	0.0	0	0.00	0.0	6	- - -
58.2	110	21.99	57.7	42	10.48	DULUTH	0.3	0	0.00	0.2	0	0.00
9.7	2	2.39	13.7	8	6.80	DURHAM	4.0	9	26.15	5.0	3	6.98
26.9	30	12.99	33.2	27	9.45	EL PASO	0.7	0	0.00	0.6	1	18.37
41.2	63	17.79	48.9	43	10.22	ERIE	0.6	3	56.16	0.6	0	0.00
25.1	28	12.97	26.5	8	3.51	EUGENE	0.1	1	166.37	0.1	0	0.00
32.1	32	11.58	41.5	18	5.06	EVANSVILLE	2.5	5	23.07	2.7	1	4.35
73.9	139	21.56	100.0	90	10.46	FALL RIVER	0.9	6	90.07	0.8	0	0.00
16.9	17	11.73	18.0	11	7.09	FARGO	0.0	0	0.00	0.0	0	0.00
65.0	76	19.10	50.3	36	8.33	FLINT	2.5	5	23.05	2.7	0	0.00
65.6	55	9.79	67.2	29	5.02	FT. LAUDERDALE	3.8	10	30.41	3.9	5	14.97
11.4	8	8.13	14.5	13	10.42	FORT SMITH	0.8	1	14.06	1.0	0	0.00
33.6	34	12.44	42.7	19	5.17	FORT WAYNE	0.9	0	0.00	1.0	0	0.00
69.0	69	10.61	86.9	37	4.95	FORT WORTH	7.8	12	17.93	8.7	7	9.60
52.4	57	12.64	54.1	36	7.06	FRESNO	5.0	17	39.91	3.2	4	14.59
11.9	7	6.89	14.2	11	8.98	GADSDEN	1.7	6	26.88	2.1	5	28.14
19.1	26	18.52	16.5	10	7.03	GALVESTON	3.8	8	24.73	3.9	5	15.09
67.5	118	20.39	86.9	46	8.05	GARY	8.5	21	28.56	8.3	4	5.62
56.6	63	12.95	70.6	47	7.76	GRAND RAPIDS	1.5	5	38.19	1.5	0	0.00
10.9	16	14.90	10.8	5	5.38	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
18.6	26	15.17	21.8	15	8.00	GREEN BAY	0.2	0	0.00	0.2	0	0.00
23.7	12	5.88	30.8	9	3.39	GREENSBORO	5.1	10	22.82	5.9	3	5.92
20.3	17	9.73	26.8	8	3.47	GREENVILLE	3.7	8	25.02	4.8	6	14.59
25.6	23	10.46	30.9	15	5.65	HAMILTON	1.2	3	27.99	1.3	0	0.00
54.9	58	12.27	71.5	40	5.50	HARRISBURG	2.8	1	4.16	3.2	5	18.35
109.7	172	18.23	132.8	93	8.66	HARTFORD	2.7	5	21.57	3.1	4	15.16
13.1	23	20.41	14.6	18	14.36	HONOLULU	36.4	113	36.09	28.9	91	20.54
113.3	112	11.49	137.5	75	6.35	HOUSTON	25.2	68	31.31	27.8	36	15.05
42.1	40	11.06	48.9	28	6.66	HUNTINGTON	1.6	3	21.30	1.7	0	0.00
9.4	8	9.94	11.1	4	4.20	HUNTSVILLE	2.6	5	22.46	3.1	1	3.76
90.7	81	10.39	120.5	55	5.40	INDIANAPOLIS	13.9	27	22.50	15.3	18	13.66
20.9	26	13.36	26.9	12	5.60	JACKSON MICH	0.9	2	24.54	0.6	0	0.00
13.2	5	4.41	18.5	9	5.67	JACKSON MISS	8.8	16	21.12	10.4	2	2.24
41.2	41	11.56	52.5	24	5.32	JACKSONVILLE	12.4	21	19.68	14.9	6	4.69
110.1	194	20.49	131.5	116	10.08	JERSEY CITY	3.7	15	47.20	4.3	4	10.89
53.0	104	22.81	56.0	54	11.20	JOHNSTOWN	0.5	1	21.84	0.5	0	0.00
24.5	32	15.41	30.9	10	3.81	KALAMAZOO	0.7	1	17.56	0.7	0	0.00
148.2	119	9.33	193.1	75	4.51	KANSAS CITY	19.0	53	32.49	20.4	17	9.67
17.1	36	24.51	18.2	18	11.47	KENOSHA	0.1	0	0.00	0.1	0	0.00
67.1	32	7.90	58.8	25	4.94	KNOXVILLE	4.0	12	34.72	4.9	2	4.75
11.0	12	12.73	12.6	5	4.61	LAKE CHARLES	3.2	7	25.67	3.2	2	7.22
47.3	42	10.33	61.7	24	4.52	LANCASTER	0.5	1	22.47	0.5	0	0.00
42.0	53	14.66	50.8	34	7.79	LANSING	0.7	4	63.67	0.7	0	0.00
7.6	8	12.27	9.4	7	8.62	LAREDO	0.0	0	0.00	0.0	1	976.72
14.5	13	10.42	12.5	9	8.39	LAS VEGAS	0.9	2	25.62	0.8	1	15.29
7.5	5	7.76	8.7	6	8.05	LAWTON	0.8	2	30.37	0.8	1	14.27
16.3	18	12.84	21.3	12	6.55	LEXINGTON	3.7	5	15.55	4.2	4	11.15
16.9	18	12.60	20.3	7	4.02	LIMA	0.8	0	0.00	0.7	1	16.68
24.8	25	11.71	33.6	21	7.27	LINCOLN	0.3	0	0.00	0.3	0	0.00
29.2	17	6.77	36.1	12	3.87	LITTLE ROCK	8.7	17	22.76	9.8	7	8.29
28.8	47	18.94	31.9	32	11.65	LORAIN	1.3	3	25.96	1.3	0	0.00
965.1	1150	13.96	1302.9	792	7.07	LOS ANGELES	60.9	151	28.83	65.8	60	10.60

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF STOMACH (I.S.C. 151)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
92.2	82	10.34	123.7	55	5.17	LOUISVILLE	13.2	27	23.74	15.3	12	9.15
14.9	16	12.49	17.8	7	4.57	LUBBOCK	1.0	2	22.29	0.9	1	13.34
13.4	7	6.06	19.2	6	3.82	LYNCHBURG	3.4	7	23.74	4.0	2	5.78
13.6	14	11.96	18.8	4	2.47	MACON	5.9	10	19.75	8.7	7	9.40
31.7	34	12.44	39.7	26	7.61	MADISON	0.2	0	0.00	0.2	0	0.00
31.9	49	17.88	42.4	21	5.76	MANCHESTER	0.0	0	0.00	0.0	0	0.00
50.0	40	9.30	70.4	34	5.62	MEMPHIS	31.8	60	21.95	35.7	22	7.16
163.7	191	13.57	177.4	93	6.09	MIAMI	10.7	22	23.96	11.2	10	10.39
4.5	7	17.95	5.2	1	2.25	MIDLAND	0.5	1	24.02	0.5	0	0.00
188.2	307	18.96	225.0	188	9.71	MILWAUKEE	4.8	8	19.55	4.4	2	5.25
228.9	320	16.25	290.4	176	7.05	MINNEAPOLIS	3.4	5	16.90	3.4	4	13.74
24.9	25	11.68	30.8	14	5.28	MOBILE	10.1	25	28.67	12.9	11	9.90
9.6	6	7.25	11.4	9	9.19	MONROE	4.8	14	33.91	5.4	7	14.95
12.1	11	10.55	17.5	7	4.66	MONTGOMERY	7.8	12	17.92	11.2	5	5.17
16.3	7	5.00	19.8	3	1.76	MUNCIE	0.9	0	0.00	0.8	2	28.39
20.3	31	17.77	22.7	16	8.20	MUSKEGON	1.1	5	52.26	1.0	1	11.69
44.4	37	9.69	61.6	23	4.34	NASHVILLE	10.9	12	12.80	13.4	10	8.70
262.3	378	16.79	332.4	244	9.53	NEWARK	22.6	58	29.89	27.3	38	16.21
112.0	171	17.76	136.7	113	9.65	NEW HAVEN	3.3	13	45.86	3.5	2	6.62
93.3	76	10.33	115.2	48	4.84	NEW ORLEANS	30.5	99	37.76	39.3	65	19.25
16.6	16	11.19	19.2	11	7.02	NEWPORT NEWS	7.2	16	25.96	6.9	5	8.37
1766.5	2926	19.25	2133.6	1512	9.87	NEW YORK	133.5	350	30.47	164.8	217	15.31
42.5	38	10.39	56.5	24	5.12	NORFOLK	16.7	35	24.30	19.0	28	17.10
6.3	7	12.86	6.3	6	11.02	ODESSA	0.3	0	0.00	0.3	0	0.00
14.3	13	10.57	15.9	7	5.11	OGDEN	0.4	3	84.65	0.3	0	0.00
68.2	60	10.22	86.0	31	4.19	OKLAHOMA CITY	5.6	7	14.55	6.1	7	13.41
68.9	80	15.02	83.6	45	6.26	OMAHA	3.6	7	22.61	3.9	2	5.92
45.6	31	7.91	53.0	23	5.05	ORLANDO	5.9	15	29.60	5.9	6	11.76
188.1	282	17.43	229.8	199	10.07	PATERSON	4.0	7	20.40	4.9	3	7.11
17.4	16	9.38	20.2	7	4.03	PENSACOLA	3.7	6	18.98	4.6	1	2.54
46.3	46	11.56	56.7	28	5.76	PEORIA	1.1	1	10.93	1.2	0	0.00
620.6	860	16.11	790.6	550	8.00	PHILADELPHIA	80.8	196	28.20	92.7	89	11.17
88.7	95	12.45	93.7	44	6.70	PHOENIX	4.6	9	22.66	3.6	2	6.53
398.5	614	17.91	451.1	378	9.74	PITTSBURGH	25.6	55	24.95	24.1	26	12.54
26.2	38	16.89	34.7	29	9.71	PITTSFIELD	0.3	0	0.00	0.3	0	0.00
33.7	30	10.34	45.5	36	9.19	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
159.8	218	15.85	180.0	107	6.62	PORTLAND OREG.	3.4	12	41.32	2.4	1	4.77
129.8	201	18.00	160.5	143	9.80	PROVIDENCE	1.9	5	29.99	1.9	1	5.97
11.9	5	4.90	13.5	7	6.02	PROVO	0.0	0	0.00	0.0	0	0.00
20.1	29	16.77	22.3	10	5.21	PUEBLO	0.5	0	0.00	0.6	0	0.00
23.1	25	12.61	26.6	12	5.28	RACINE	0.3	1	- - -	0.3	1	40.42
15.3	16	12.17	20.0	5	2.91	RALEIGH	4.9	6	14.30	6.0	3	5.77
54.3	50	10.70	64.4	44	7.95	READING	0.6	1	19.68	0.6	1	19.35
13.5	27	23.26	12.9	6	5.42	RENO	0.4	0	0.00	0.3	0	0.00
43.5	46	12.28	63.8	27	4.92	RICHMOND	13.4	31	26.82	16.2	13	9.31
22.3	22	11.48	29.8	11	4.45	ROANOKE	3.0	5	19.39	3.5	1	3.35
104.6	132	14.66	133.7	93	8.08	ROCHESTER	1.8	6	39.16	1.9	1	6.11
31.8	48	16.44	37.2	30	9.37	ROCKFORD	0.7	2	34.25	0.7	0	0.00
56.0	94	16.55	70.1	32	5.31	SACRAMENTO	4.8	11	26.88	3.1	9	34.17
26.4	24	10.55	30.9	17	6.40	SAGINAW	1.4	5	40.81	1.3	1	8.67
20.5	23	13.06	26.7	14	6.09	ST. JOSEPH	0.6	0	0.00	0.8	0	0.00
293.3	320	12.69	384.9	188	5.68	ST. LOUIS	39.9	101	29.40	45.7	47	11.95
48.8	66	15.72	59.9	34	6.70	SALT LAKE CITY	1.0	2	27.03	0.6	2	41.52
10.0	8	5.83	11.9	6	5.87	SAN ANGELO	0.5	0	0.00	0.6	1	19.64
78.0	84	12.53	100.9	78	8.99	SAN ANTONIO	5.6	9	18.56	7.3	3	4.78
135.8	122	10.44	151.1	58	4.46	SAN BERNARDINO	4.3	3	8.08	3.9	1	2.97
130.9	125	11.10	162.8	89	6.36	SAN DIEGO	4.1	8	22.44	3.9	4	11.94
420.7	541	14.95	523.3	382	8.49	SAN FRANCISCO	37.2	67	20.92	29.9	22	8.56
78.1	77	11.46	99.0	71	8.34	SAN JOSE	2.6	8	35.96	1.9	3	18.72
25.6	30	13.62	33.1	17	5.97	SANTA BARBARA	0.9	2	25.69	0.6	0	0.00
14.2	10	8.10	20.0	8	4.65	SAVANNAH	7.5	21	32.65	9.8	11	13.01
46.1	85	21.44	59.1	64	17.59	SCRANTON	0.2	2	149.30	0.2	0	0.00
184.3	246	15.51	213.9	137	7.45	SEATTLE	7.8	19	28.43	5.0	9	20.94
24.0	26	12.60	30.2	18	6.92	SHREVEPORT	13.8	26	21.91	16.8	26	17.98
21.3	26	14.17	24.5	22	10.45	SIOUX CITY	0.3	0	0.00	0.3	0	0.00
14.0	23	19.16	16.3	11	7.83	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
35.9	54	17.50	42.0	29	8.02	SOUTH BEND	1.6	4	29.64	1.5	1	7.69
53.1	49	10.73	58.9	31	6.12	SPOKANE	0.8	5	76.56	0.6	1	20.38
26.9	36	15.56	34.8	26	8.67	SPRINGFIELD I.	1.1	1	10.50	1.3	0	0.00
24.0	13	6.30	30.8	15	5.67	SPRINGFIELD MO	0.5	1	22.36	0.6	0	0.00
20.9	22	12.22	26.1	14	6.23	SPRINGFIELD O.	1.9	4	24.02	2.4	3	14.71
90.7	131	16.79	119.7	87	8.45	SPRINGFIELD MA	1.3	3	26.39	1.6	2	14.63
27.9	49	20.43	27.9	25	10.42	STEUBENVILLE	1.1	3	31.62	1.0	1	11.22
43.7	55	14.66	42.3	24	6.60	STOCKTON	5.4	13	28.10	2.2	1	5.18
94.6	98	12.06	115.0	59	5.97	SYRACUSE	1.2	6	57.09	1.2	0	0.00
53.9	74	15.96	60.2	46	8.88	TACOMA	1.0	1	11.16	0.8	0	0.00
203.4	202	11.54	221.0	93	4.89	TAMPA	10.5	22	24.28	11.3	11	11.27
21.5	20	10.82	26.5	9	3.95	TERRE HAUTE	1.0	0	0.00	1.1	1	11.03
13.4	11	9.57	15.4	9	6.81	TEXARKANA	4.2	7	19.43	4.5	5	12.83
74.4	96	14.69	91.1	47	6.00	TOLEDO	5.1	10	22.81	5.3	4	8.78
21.6	22	11.83	28.7	8	3.24	TOPEKA	1.7	3	20.60	1.9	0	0.00
41.1	62	17.52	50.3	38	8.77	TRENTON	3.3	11	38.26	3.4	5	17.17
35.2	33	10.89	39.7	22	6.43	TUCSON	2.1	3	16.25	1.9	1	6.23
58.0	57	11.43	71.2	34	5.55	TULSA	5.8	8	15.95	6.5	3	5.36
11.8	10	9.82	14.0	3	2.50	TUSCALOOSA	3.9	8	24.12	4.4	7	18.40
10.7	8	8.71	12.9	7	6.30	TYLER	3.5	10	33.08	3.9	0	0.00
63.5	72	13.19	76.2	33	5.04	UTICA	0.5	0	0.00	0.4	0	0.00
21.7	22	11.78	26.6	13	5.68	WACO	4.0	6	17.51	4.6	4	10.06
180.3	181	11.67	258.3	131	5.90	WASHINGTON	51.6	129	29.09	61.0	58	11.05
18.5	23	14.47	22.6	11	5.66	WATERLOO	0.5	1	23.34	0.4	1	26.19
45.0	40	10.34	49.3	27	6.37	W. PALM BEACH	6.0	13	25.03	4.7	3	7.46
39.8	55	16.07	45.7	23	5.85	WHEELING	1.0	1	11.30	0.9	0	0.00
39.9	35	10.19	51.7	19	4.27	WICHITA	2.1	1	5.55	2.1	0	0.00
16.8	11	7.61	20.2	8	4.61	WICHITA FALLS	1.1	2	21.21	1.2	0	0.00
66.7	122	21.27	84.3	83	11.44	WILKES-BARRE	0.2	0	0.00	0.2	0	0.00
46.7	53	13.19	57.5	34	6.87	WILMINGTON	6.0	8	15.59	5.7	4	8.12
16.8	20	13.83	22.2	12	6.29	WINSTON-SALEM	5.2	14	31.18	6.7	4	6.89
111.8	160	14.56	143.3	96	7.79	WORCESTER	0.6	0	0.00	0.6	0	0.00
41.3	39	10.99	49.1	26	6.16	YORK	0.6	1	19.66	0.6	0	0.00
79.3	117	17.16	85.7	77	10.45	YOUNGSTOWN	6.0	22	42.68	5.3	9	19.56
16329.5	21258	15.13	20130.1	13258	7.66	TOTAL 201 SMSA	1492.6	3473	27.05	1652.9	1623	11.41

ALL AGE STANDARD RATE = 11.62

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF SMALL INTESTINE, INCLUDING DUODENUM (I.S.C. 152)

WHITE MALE EXP.	OBS.	RATE	WHITE FEMALE EXP.	OBS.	RATE	SMSA	NON-WHITE MALE EXP.	OBS.	RATE	NON-WHITE FEMALE EXP.	OBS.	RATE
0.6	1	0.72	0.7	0	0.00	ABILENE	0.0	0	0.00	0.0	0	0.00
2.7	3	0.45	3.1	2	0.27	AKRON	0.2	0	0.00	0.2	1	2.48
0.2	0	0.00	0.2	0	0.00	ALBANY GA	0.1	0	0.00	0.1	1	2.90
4.3	5	0.48	5.3	2	0.16	ALBANY NY	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	1	0.39	ALBUQUERQUE	0.0	0	0.00	0.0	0	0.00
3.2	3	0.39	3.7	2	0.22	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
1.0	0	0.00	1.2	1	0.36	ALTOONA	0.0	0	0.00	0.0	0	0.00
0.6	1	0.69	0.7	1	0.60	AMARILLO	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.9	1	0.46	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.9	0	0.00	ASHEVILLE	0.1	0	0.00	0.1	0	0.00
3.6	5	0.58	4.7	3	0.26	ATLANTA	0.9	0	0.00	1.2	4	1.37
1.1	0	0.00	1.3	0	0.00	ATLANTIC CITY	0.2	0	0.00	0.2	1	1.94
0.6	0	0.00	0.8	0	0.00	AUGUSTA	0.3	1	1.54	0.4	1	1.16
0.9	0	0.00	1.1	0	0.00	AUSTIN	0.1	1	3.01	0.2	0	0.00
1.4	0	0.00	1.6	2	0.61	BAKERSFIELD	0.1	0	0.00	0.1	0	0.00
7.4	10	0.56	9.2	2	0.09	BALTIMORE	1.6	1	0.26	1.7	2	0.49
0.6	0	0.00	0.7	0	0.00	BATON ROUGE	0.3	0	0.00	0.4	0	0.00
0.6	0	0.00	0.6	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
1.2	4	1.44	1.3	1	0.33	BEAUMONT	0.3	1	1.50	0.3	0	0.00
0.4	1	1.02	0.4	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.6	4	1.06	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
2.2	1	0.19	2.7	0	0.00	BIRMINGHAM	1.1	0	0.00	1.3	1	0.32
19.2	35	0.76	25.4	25	0.41	BOSTON	0.4	1	0.99	0.5	0	0.00
3.9	2	0.21	4.6	6	0.54	BRIDGEPORT	0.1	0	0.00	0.1	0	0.00
1.6	0	0.00	2.0	3	0.64	BROCKTON	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.7	2	1.27	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
7.4	9	0.50	8.6	5	0.24	BUFFALO	0.3	0	0.00	0.3	0	0.00
2.0	5	1.04	2.3	6	1.10	CANTON	0.1	0	0.00	0.1	0	0.00
0.8	2	1.04	1.0	1	0.42	CEDAR RAPIDS	0.0	1	64.54	0.0	0	0.00
0.5	0	0.00	0.7	1	0.63	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	0	0.00	CHARLESTON SC	0.2	0	0.00	0.3	1	1.23
1.2	1	0.35	1.3	0	0.00	CHARLESTON WVA	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	1.2	0	0.00	CHARLOTTE	0.2	1	1.73	0.3	0	0.00
1.2	3	1.02	1.5	1	0.28	CHATTANOOGA	0.2	0	0.00	0.3	1	1.34
32.8	41	0.52	37.9	32	0.35	CHICAGO	3.7	5	0.56	4.1	3	0.31
5.6	6	0.44	7.3	7	0.40	CINCINNATI	0.7	3	1.91	0.7	2	1.17
9.4	14	0.62	11.1	13	0.49	CLEVELAND	1.1	1	0.38	1.2	2	0.71
0.7	0	0.00	0.8	0	0.00	COLORADO SPRGS	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	1.0	2	0.84	COLUMBIA	0.3	0	0.00	0.3	1	1.22
0.5	1	0.77	0.7	0	0.00	COLUMBUS GA	0.2	0	0.00	0.3	0	0.00
3.1	1	0.14	3.9	10	1.07	COLUMBUS OHIO	0.4	0	0.00	0.4	0	0.00
0.8	1	0.51	0.9	1	0.47	CORPUS CHRISTI	0.0	0	0.00	0.0	0	0.00
4.6	6	0.54	5.8	4	0.29	DALLAS	0.7	0	0.00	0.7	0	0.00
1.7	3	0.75	1.9	1	0.22	DAVENPORT	0.0	0	0.00	0.0	0	0.00
3.2	6	0.78	3.8	5	0.55	DAYTON	0.3	0	0.00	0.3	1	1.35
0.7	1	0.60	0.9	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
4.7	5	0.44	5.8	4	0.29	DENVER	0.2	1	2.48	0.2	0	0.00
1.5	5	1.40	1.9	3	0.66	DES MOINES	0.1	0	0.00	0.1	0	0.00
17.9	23	0.53	19.0	19	0.41	DETROIT	2.3	0	0.00	2.4	4	0.70
0.5	1	0.91	0.6	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
2.0	2	0.42	2.0	5	1.04	DULUTH	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	0	0.00	DURHAM	0.2	1	2.73	0.2	0	0.00
1.0	0	0.00	1.2	1	0.34	EL PASO	0.0	0	0.00	0.0	0	0.00
1.5	3	0.85	1.7	1	0.24	ERIE	0.0	0	0.00	0.0	0	0.00
0.9	2	0.92	0.9	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
1.1	1	0.36	1.4	1	0.29	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
2.6	6	0.95	3.4	2	0.24	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.6	1	0.69	0.6	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
1.7	2	0.50	1.8	0	0.00	FLINT	0.1	0	0.00	0.1	0	0.00
2.3	2	0.37	2.4	1	0.17	FT. LAUDERDALE	0.2	0	0.00	0.2	1	2.63
0.4	0	0.00	0.5	0	0.00	FORT SMITH	0.0	0	0.00	0.0	0	0.00
1.2	1	0.34	1.5	1	0.28	FORT WAYNE	0.0	0	0.00	0.0	0	0.00
2.6	4	0.65	3.1	2	0.27	FORT WORTH	0.3	1	1.45	0.3	0	0.00
1.9	3	0.66	2.0	1	0.21	FRESNO	0.2	0	0.00	0.1	0	0.00
0.4	1	0.95	0.5	1	0.82	GADSDEN	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.6	0	0.00	GALVESTON	0.1	1	2.92	0.1	0	0.00
2.5	4	0.66	2.4	1	0.17	GARY	0.3	1	1.24	0.3	0	0.00
2.0	3	0.62	2.4	1	0.17	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.4	1	1.06	0.4	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.8	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
0.9	1	0.46	1.1	0	0.00	GREENSBORO	0.2	0	0.00	0.2	0	0.00
0.8	0	0.00	1.0	1	0.43	GREENVILLE	0.1	0	0.00	0.2	0	0.00
0.9	1	0.44	1.1	0	0.00	HAMILTON	0.0	0	0.00	0.0	1	8.70
2.0	2	0.42	2.5	5	0.84	HARRISBURG	0.1	0	0.00	0.1	0	0.00
4.0	5	0.52	4.7	5	0.44	HARTFORD	0.1	0	0.00	0.1	0	0.00
0.5	1	0.76	0.6	0	0.00	HONOLULU	1.4	1	0.30	1.1	2	0.75
4.4	7	0.66	5.1	6	0.49	HOUSTON	1.0	1	0.43	1.1	0	0.00
1.5	1	0.28	1.7	0	0.00	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
0.4	0	0.00	0.4	0	0.00	HUNTSVILLE	0.1	0	0.00	0.1	0	0.00
3.3	3	0.38	4.2	6	0.59	INDIANAPOLIS	0.5	1	0.82	0.6	1	0.74
0.7	0	0.00	0.9	0	0.00	JACKSON MICH	0.0	1	10.51	0.0	0	0.00
0.5	0	0.00	0.7	1	0.63	JACKSON MISS	0.3	0	0.00	0.4	0	0.00
1.6	3	0.80	1.9	4	0.87	JACKSONVILLE	0.5	0	0.00	0.6	0	0.00
4.0	7	0.73	4.6	3	0.27	JERSEY CITY	0.1	0	0.00	0.2	2	4.99
1.8	3	0.67	1.9	0	0.00	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
0.9	1	0.47	1.1	1	0.39	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
5.3	3	0.23	6.7	5	0.31	KANSAS CITY	0.7	0	0.00	0.7	0	0.00
0.6	0	0.00	0.6	1	0.65	KENOSHA	0.0	0	0.00	0.0	0	0.00
1.7	2	0.48	2.1	0	0.00	KNOXVILLE	0.1	0	0.00	0.2	0	0.00
0.4	0	0.00	0.5	0	0.00	LAKE CHARLES	0.1	0	0.00	0.1	0	0.00
1.7	4	1.00	2.1	3	0.59	LANCASTER	0.0	0	0.00	0.0	0	0.00
1.5	3	0.82	1.8	2	0.47	LANSING	0.0	0	0.00	0.0	0	0.00
0.3	1	1.50	0.3	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
0.6	1	0.72	0.5	0	0.00	LAS VEGAS	0.0	0	0.00	0.0	0	0.00
0.3	0	0.00	0.3	0	0.00	LAWTON	0.0	0	0.00	0.0	0	0.00
0.6	1	0.70	0.7	0	0.00	LEXINGTON	0.1	1	3.18	0.1	0	0.00
0.6	0	0.00	0.7	1	0.60	LIMA	0.0	0	0.00	0.0	0	0.00
0.9	3	1.43	1.1	2	0.73	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.3	0	0.00	LITTLE ROCK	0.3	0	0.00	0.3	0	0.00
1.1	0	0.00	1.1	2	0.73	LORAIN	0.1	0	0.00	0.0	0	0.00
35.1	38	0.45	45.1	48	0.44	LOS ANGELES	2.4	1	0.17	2.5	0	0.00

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF SMALL INTESTINE, INCLUDING DUODENUM (I.S.C. 152)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
3.4	2	0.25	4.3	1	0.10	LOUISVILLE	0.5	1	0.87	0.5	1	0.77
0.6	2	1.48	0.7	0	0.00	LUBBOCK	0.0	0	0.00	0.0	0	0.00
0.5	1	0.88	0.6	1	0.66	LYNCHBURG	0.1	0	0.00	0.1	1	2.96
0.5	0	0.00	0.7	0	0.00	MACON	0.2	0	0.00	0.3	0	0.00
1.1	2	0.73	1.4	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
1.1	1	0.37	1.4	2	0.57	MANCHESTER	0.0	0	0.00	0.0	0	0.00
1.9	2	0.44	2.5	2	0.33	MEMPHIS	1.1	0	0.00	1.3	2	0.65
5.8	1	0.07	6.9	7	0.46	MIAMI	0.4	0	0.00	0.5	0	0.00
0.2	0	0.00	0.2	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
6.8	7	0.43	7.9	7	0.37	MILWAUKEE	0.2	0	0.00	0.2	1	2.30
8.2	17	0.86	10.1	8	0.33	MINNEAPOLIS	0.1	0	0.00	0.1	0	0.00
0.9	1	0.44	1.1	0	0.00	MOBILE	0.4	1	1.08	0.5	0	0.00
0.4	1	1.18	0.4	0	0.00	MONROE	0.2	1	2.48	0.2	0	0.00
0.5	0	0.00	0.6	0	0.00	MONTGOMERY	0.3	0	0.00	0.4	2	2.11
0.6	0	0.00	0.7	0	0.00	MUNCIE	0.0	0	0.00	0.0	1	13.65
0.7	2	1.12	0.8	2	1.03	MUSKEGON	0.0	0	0.00	0.0	1	10.31
1.6	1	0.25	2.2	1	0.19	NASHVILLE	0.4	1	1.05	0.5	0	0.00
9.5	11	0.48	11.6	11	0.39	NEWARK	0.9	3	1.41	1.0	3	1.19
4.0	6	0.62	4.7	1	0.09	NEW HAVEN	0.1	0	0.00	0.1	0	0.00
3.1	3	0.40	4.1	1	0.10	NEW ORLEANS	1.1	2	0.73	1.4	3	0.87
0.7	2	1.27	0.7	1	0.61	NEWPORT NEWS	0.3	0	0.00	0.3	0	0.00
63.7	77	0.50	75.4	73	0.40	NEW YORK	5.3	9	0.71	6.4	5	0.32
1.7	1	0.25	2.0	2	0.42	NORFOLK	0.6	0	0.00	0.7	1	0.58
0.3	0	0.00	0.3	0	0.00	ODESSA	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	1	0.73	OGDEN	0.0	0	0.00	0.0	0	0.00
2.5	1	0.17	3.0	1	0.14	OKLAHOMA CITY	0.2	1	2.01	0.2	0	0.00
2.5	1	0.17	2.9	5	0.71	OMAHA	0.1	0	0.00	0.1	2	5.93
1.6	3	0.78	1.8	0	0.00	ORLANDO	0.2	0	0.00	0.2	0	0.00
6.9	3	0.18	8.2	8	0.41	PATERSON	0.2	0	0.00	0.2	0	0.00
0.7	0	0.00	0.7	0	0.00	PENSACOLA	0.1	0	0.00	0.2	0	0.00
1.7	3	0.75	2.0	2	0.42	PEORIA	0.0	0	0.00	0.0	0	0.00
22.4	16	0.30	27.5	31	0.47	PHILADELPHIA	3.1	6	0.81	3.5	3	0.36
3.2	2	0.26	3.4	3	0.37	PHOENIX	0.2	0	0.00	0.1	0	0.00
1[illegible].2	13	0.38	15.9	9	0.24	PITTSBURGH	0.9	1	0.44	0.9	0	0.00
0.9	0	0.00	1.2	1	0.35	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
1.2	0	0.00	1.5	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
5.6	3	0.22	6.4	4	0.26	PORTLAND OREG.	0.1	0	0.00	0.1	0	0.00
4.6	9	0.81	5.8	7	0.50	PROVIDENCE	0.1	0	0.00	0.1	0	0.00
0.4	1	0.95	0.5	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.8	0	0.00	PUEBLO	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.9	5	2.26	RACINE	0.0	0	0.00	0.0	0	0.00
0.6	1	0.72	0.7	0	0.00	RALEIGH	0.2	0	0.00	0.2	0	0.00
1.9	1	0.22	2.2	3	0.56	READING	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
1.6	1	0.26	2.2	3	0.56	RICHMOND	0.5	0	0.00	0.6	0	0.00
0.8	1	0.51	1.0	0	0.00	ROANOKE	0.1	0	0.00	0.1	0	0.00
3.7	7	0.79	4.6	2	0.18	ROCHESTER	0.1	1	5.67	0.1	0	0.00
1.1	0	0.00	1.3	1	0.32	ROCKFORD	0.0	0	0.00	0.0	0	0.00
2.4	6	0.68	2.5	4	0.66	SACRAMENTO	0.2	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	1	0.39	SAGINAW	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.9	0	0.00	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
10.6	13	0.51	13.3	10	0.31	ST. LOUIS	1.5	1	0.28	1.7	2	0.50
1.8	1	0.23	2.1	2	0.40	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
2.9	0	0.00	3.6	2	0.23	SAN ANTONIO	0.2	0	0.00	0.3	0	0.00
4.8	5	0.44	5.2	1	0.08	SAN BERNARDINO	0.2	0	0.00	0.1	0	0.00
4.8	1	0.09	5.7	5	0.36	SAN DIEGO	0.2	0	0.00	0.2	0	0.00
15.2	16	0.44	18.2	17	0.39	SAN FRANCISCO	1.5	1	0.28	1.2	4	1.38
2.9	6	0.86	3.5	1	0.12	SAN JOSE	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	1.1	0	0.00	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.7	0	0.00	SAVANNAH	0.3	1	1.48	0.4	0	0.00
1.6	5	1.27	2.0	1	0.20	SCRANTON	0.0	0	0.00	0.0	1	65.94
6.5	11	0.70	7.4	4	0.22	SEATTLE	0.3	0	0.00	0.2	0	0.00
0.9	0	0.00	1.1	1	0.38	SHREVEPORT	0.5	0	0.00	0.6	0	0.00
0.7	0	0.00	0.8	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.5	1	0.86	0.6	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
1.3	1	0.32	1.5	0	0.00	SOUTH BEND	0.1	0	0.00	0.1	0	0.00
1.8	2	0.45	2.0	2	0.41	SPOKANE	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.2	1	0.35	SPRINGFIELD I.	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	1.0	0	0.00	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
0.7	1	0.56	0.9	1	0.47	SPRINGFIELD O.	0.1	0	0.00	0.1	0	0.00
3.2	3	0.39	4.1	4	0.41	SPRINGFIELD MA	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.0	1	0.42	STEUBENVILLE	0.0	0	0.00	0.0	0	0.00
1.5	0	0.00	1.5	2	0.56	STOCKTON	0.2	0	0.00	0.1	1	4.85
3.3	4	0.50	4.0	1	0.11	SYRACUSE	0.0	0	0.00	0.0	0	0.00
1.9	0	0.00	2.1	1	0.20	TACOMA	0.0	0	0.00	0.0	0	0.00
6.7	10	0.62	7.3	9	0.51	TAMPA	0.4	2	2.09	0.4	0	0.00
0.7	1	0.56	0.9	1	0.47	TERRE HAUTE	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	0	0.00	TEXARKANA	0.1	1	2.89	0.2	1	2.63
2.7	2	0.31	3.1	6	0.79	TOLEDO	0.2	1	2.16	0.2	0	0.00
0.8	2	1.09	1.0	2	0.85	TOPEKA	0.1	0	0.00	0.1	0	0.00
1.5	1	0.28	1.8	2	0.47	TRENTON	0.1	0	0.00	0.1	0	0.00
1.3	1	0.32	1.4	2	0.58	TUCSON	0.1	0	0.00	0.1	0	0.00
2.1	3	0.59	2.5	3	0.50	TULSA	0.2	0	0.00	0.2	0	0.00
0.4	0	0.00	0.5	0	0.00	TUSCALOOSA	0.1	0	0.00	0.2	0	0.00
0.4	1	1.08	0.5	1	0.91	TYLER	0.1	0	0.00	0.1	0	0.00
2.2	2	0.38	2.6	6	0.96	UTICA	0.0	0	0.00	0.0	1	25.79
0.8	0	0.00	0.9	2	0.91	WACO	0.1	0	0.00	0.2	0	0.00
6.9	7	0.42	9.3	10	0.45	WASHINGTON	2.0	4	0.82	2.3	2	0.36
0.7	0	0.00	0.8	2	1.06	WATERLOO	0.0	0	0.00	0.0	0	0.00
1.5	1	0.27	1.7	1	0.25	W. PALM BEACH	0.2	0	0.00	0.2	1	2.23
1.4	1	0.30	1.6	2	0.53	WHEELING	0.0	0	0.00	0.0	0	0.00
1.5	0	0.00	1.8	2	0.45	WICHITA	0.1	0	0.00	0.1	0	0.00
0.6	1	0.68	0.7	1	0.58	WICHITA FALLS	0.0	0	0.00	0.0	0	0.00
2.4	5	0.87	3.0	6	0.26	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
1.7	2	0.48	2.0	4	0.82	WILMINGTON	0.2	0	0.00	0.2	0	0.00
0.6	1	0.65	0.8	0	0.00	WINSTON-SALEM	0.2	0	0.00	0.3	0	0.00
3.9	4	0.53	4.9	2	0.17	WORCESTER	0.0	0	0.00	0.0	0	0.00
1.5	0	0.00	1.7	0	0.00	YORK	0.0	0	0.00	0.0	0	0.00
2.8	0	0.00	3.0	0	0.00	YOUNGSTOWN	0.2	0	0.00	0.2	0	0.00
590.1	658	0.46	705.1	619	0.36	TOTAL 201 SMSA	56.7	65	0.48	62.1	72	0.48

ALL AGE STANDARD RATE = 0.41

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF LARGE INTESTINE (I.S.C. ALL 153 EXCEPT 153.9)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
21.8	16	11.73	24.8	23	13.70	ABILENE	0.9	2	35.70	0.9	0	0.00
103.5	122	18.83	119.2	138	18.50	AKRON	5.9	8	21.83	6.0	7	18.67
5.5	6	17.55	6.9	1	2.33	ALBANY GA	3.7	1	4.33	5.5	2	5.76
166.8	199	19.07	212.6	234	17.59	ALBANY NY	2.6	0	0.00	2.8	2	11.58
34.3	18	8.38	39.1	32	13.06	ALBUQUERQUE	0.9	1	18.11	0.8	0	0.00
122.7	119	15.49	147.6	139	15.04	ALLENTOWN	0.8	0	0.00	0.7	0	0.00
38.3	42	17.51	47.1	40	13.56	ALTOONA	0.3	0	0.00	0.3	0	0.00
21.6	14	10.37	25.9	20	12.32	AMARILLO	1.0	0	0.00	1.0	0	0.00
27.4	22	12.84	35.6	30	13.47	ANN ARBOR	1.8	1	8.70	1.9	1	8.53
28.1	16	9.00	34.6	19	8.78	ASHEVILLE	3.3	4	19.39	3.9	2	8.12
130.4	96	11.76	181.3	146	12.87	ATLANTA	33.1	23	11.09	45.1	38	13.67
43.1	49	18.18	53.6	71	21.18	ATLANTIC CITY	7.3	10	21.83	8.4	7	13.36
22.0	18	13.08	28.9	18	9.94	AUGUSTA	10.1	5	7.87	13.8	7	8.13
33.8	24	11.35	43.2	38	14.04	AUSTIN	5.3	7	20.98	7.1	4	9.06
50.7	32	10.09	51.2	31	9.68	BAKERSFIELD	4.4	4	14.64	2.8	2	11.62
276.6	315	18.20	350.1	352	15.66	BALTIMORE	56.4	37	10.49	61.0	55	14.41
20.7	19	14.69	24.5	15	9.05	BATON ROUGE	11.4	9	12.61	13.8	6	6.95
21.7	22	16.20	25.3	32	20.20	BAY CITY	0.1	0	0.00	0.1	0	0.00
41.7	39	14.94	47.5	44	14.80	BEAUMONT	10.2	8	12.52	10.3	11	17.04
15.5	13	13.39	16.4	21	20.46	BILLINGS	0.2	0	0.00	0.1	0	0.00
50.4	71	22.52	62.2	58	14.89	BINGHAMTON	0.4	0	0.00	0.3	0	0.00
81.8	59	11.52	105.4	74	11.21	BIRMINGHAM	40.4	23	9.09	49.1	38	12.37
744.8	839	18.00	1020.5	1119	17.52	BOSTON	15.7	13	13.22	17.6	12	10.90
146.6	159	17.33	180.4	207	18.33	BRIDGEPORT	4.3	2	7.43	4.9	7	22.63
62.2	65	16.69	79.7	69	13.83	BROCKTON	1.4	1	11.32	0.9	1	17.49
22.2	12	8.63	24.7	12	7.76	BROWNSVILLE	0.2	0	0.00	0.2	0	0.00
282.3	311	17.60	337.5	336	15.91	BUFFALO	11.5	11	15.32	10.9	11	16.15
77.6	67	13.80	89.6	80	14.27	CANTON	2.9	3	16.32	2.8	4	22.72
31.2	29	14.84	39.6	34	13.70	CEDAR RAPIDS	0.2	0	0.00	0.3	0	0.00
19.6	16	13.03	25.9	37	22.79	CHAMPAIGN	0.9	1	17.50	1.0	0	0.00
17.8	14	12.54	23.8	16	10.74	CHARLESTON SC	8.5	6	11.25	12.4	2	2.57
44.6	28	10.03	50.7	40	12.59	CHARLESTON WVA	3.6	6	26.40	3.9	2	8.26
31.9	27	13.54	[illegible]	69	17.79	CHARLOTTE	8.6	4	7.44	10.7	4	5.98
45.9	32	11.15	58.2	50	13.74	CHATTANOOGA	9.3	6	10.29	11.6	5	6.87
1236.8	1451	18.75	1471.8	1636	17.76	CHICAGO	132.6	159	19.15	147.0	184	19.99
215.5	284	21.06	292.5	330	18.03	CINCINNATI	24.3	16	10.51	26.3	27	16.39
357.3	451	20.17	431.3	417	15.45	CLEVELAND	38.8	44	18.11	42.4	37	13.93
24.8	17	10.95	33.5	22	10.50	COLORADO SPRGS	0.5	0	0.00	0.7	0	0.00
28.1	24	13.62	37.9	28	11.81	COLUMBIA	10.3	5	7.77	12.9	9	11.19
18.7	15	12.82	25.6	16	10.00	COLUMBUS GA	8.0	2	3.98	11.7	7	9.53
115.3	137	18.98	153.1	157	16.38	COLUMBUS OHIO	14.7	12	13.02	15.7	15	15.30
29.4	21	11.40	32.4	23	11.35	CORPUS CHRISTI	1.5	0	0.00	1.7	2	18.99
169.0	137	12.96	222.8	167	11.98	DALLAS	25.2	8	5.06	27.0	25	14.77
64.6	77	19.04	76.9	70	14.54	DAVENPORT	1.1	1	14.96	1.0	0	0.00
120.5	122	16.18	147.8	162	17.52	DAYTON	10.9	10	14.62	11.2	10	14.26
26.9	35	20.76	34.5	37	17.16	DECATUR	0.9	1	17.72	1.0	1	16.39
178.1	166	14.90	227.1	222	15.62	DENVER	6.2	10	25.76	6.7	1	2.37
57.5	66	18.35	75.7	69	14.55	DES MOINES	2.3	4	28.16	2.5	2	12.63
664.9	706	16.96	721.9	753	16.67	DETROIT	81.2	76	14.96	84.2	85	16.12
18.0	15	13.33	25.1	30	19.12	DUBUQUE	0.0	0	0.00	0.0	0	0.00
79.6	69	13.85	79.0	65	13.15	DULUTH	0.4	1	42.45	0.3	1	57.52
13.4	16	19.07	18.8	12	10.18	DURHAM	5.5	6	17.32	6.9	6	13.86
37.0	20	8.63	45.7	32	11.18	EL PASO	1.0	0	0.00	0.9	1	18.35
56.5	57	16.11	67.1	68	16.20	ERIE	0.9	1	18.52	0.8	0	0.00
34.6	21	9.71	36.5	24	10.51	EUGENE	0.1	1	164.92	0.1	0	0.00
44.2	44	15.92	57.0	52	14.58	EVANSVILLE	3.5	1	4.63	3.7	2	8.70
101.4	121	19.07	137.1	158	18.42	FALL RIVER	1.3	0	0.00	1.1	2	28.61
23.1	6	4.14	24.8	20	12.90	FARGO	0.0	0	0.00	0.0	0	0.00
62.2	55	14.13	69.2	40	9.23	FLINT	3.5	3	13.67	3.7	3	13.03
89.2	66	11.82	92.1	76	13.18	FT. LAUDERDALE	5.3	3	9.00	5.4	0	0.00
15.7	6	6.10	19.9	16	12.83	FORT SMITH	1.1	1	14.10	1.4	1	11.26
46.3	46	15.89	58.7	56	15.25	FORT WAYNE	1.3	0	0.00	1.4	2	22.45
95.1	78	13.11	119.4	103	13.78	FORT WORTH	10.7	7	10.44	11.9	11	14.73
71.9	60	13.33	77.1	63	13.06	FRESNO	6.8	3	7.04	4.4	2	7.29
16.4	8	7.81	19.6	14	11.42	GADSDEN	2.4	2	13.37	2.8	4	22.48
20.8	13	9.99	22.8	16	11.22	GALVESTON	5.2	2	6.15	5.3	2	6.00
92.9	93	16.00	91.4	90	15.72	GARY	11.8	10	13.49	11.5	14	19.53
77.7	71	14.60	96.5	117	19.36	GRAND RAPIDS	2.1	1	7.59	2.1	1	7.46
15.0	17	18.13	14.8	11	11.87	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
25.3	8	5.05	29.9	14	7.47	GREEN BAY	0.2	0	0.00	0.3	1	59.81
32.8	23	11.21	42.5	30	11.29	GREENSBORO	7.0	8	18.13	8.1	8	15.69
28.0	27	15.40	36.9	39	16.90	GREENVILLE	5.1	3	9.35	6.6	2	4.85
35.3	43	19.49	42.5	31	11.66	HAMILTON	1.7	0	0.00	1.8	0	0.00
75.5	78	16.50	98.2	101	16.43	HARRISBURG	3.8	3	12.45	4.4	1	3.66
150.7	174	18.45	182.4	163	14.28	HARTFORD	3.7	4	17.13	4.2	3	11.33
18.2	15	13.18	20.1	14	11.12	HONOLULU	50.4	30	9.50	39.8	22	8.83
156.9	136	13.85	189.4	157	13.25	HOUSTON	34.9	28	12.81	38.4	24	9.98
57.9	49	13.51	67.2	55	13.08	HUNTINGTON	2.2	2	14.22	2.3	4	27.31
12.9	16	19.77	15.2	14	14.67	HUNTSVILLE	3.6	0	0.00	4.2	2	7.54
125.0	139	17.77	165.6	166	16.02	INDIANAPOLIS	19.2	16	13.32	21.1	27	20.44
28.8	23	12.77	34.2	27	12.61	JACKSON MICH	1.3	0	0.00	0.8	0	0.00
18.2	13	11.39	25.4	13	8.17	JACKSON MISS	12.1	3	3.96	14.3	10	11.17
56.9	53	14.88	72.2	66	14.60	JACKSONVILLE	17.1	11	10.25	20.5	15	11.68
151.2	221	23.35	180.4	220	19.48	JERSEY CITY	5.1	4	12.47	5.9	6	16.21
72.6	70	15.40	76.8	65	13.51	JOHNSTOWN	0.7	1	21.74	0.7	0	0.00
33.7	32	15.18	41.9	38	14.46	KALAMAZOO	0.9	0	0.00	0.9	0	0.00
204.0	202	15.82	265.3	230	13.85	KANSAS CITY	26.0	29	17.80	28.1	26	14.80
23.4	17	11.61	25.0	17	10.86	KENOSHA	0.1	0	0.00	0.1	0	0.00
65.0	44	10.82	80.9	65	12.83	KNOXVILLE	5.5	6	17.31	6.7	2	4.76
15.2	9	9.47	17.4	11	10.10	LAKE CHARLES	4.4	2	7.32	4.4	4	14.62
65.0	57	14.01	84.8	73	13.76	LANCASTER	0.7	0	0.00	0.7	1	23.27
57.8	50	13.81	69.8	66	15.11	LANSING	1.0	0	0.00	0.9	0	0.00
10.4	2	3.06	13.0	11	13.52	LAREDO	0.0	0	0.00	0.0	0	0.00
20.1	7	5.56	17.3	14	12.96	LAS VEGAS	1.3	1	12.64	1.1	1	15.15
10.4	6	9.25	11.9	11	14.76	LAWTON	1.1	0	0.00	1.1	4	56.76
22.4	11	7.84	29.3	33	18.01	LEXINGTON	5.1	4	12.48	5.7	3	8.39
23.2	20	13.78	27.8	31	17.83	LIMA	1.1	2	30.01	1.0	1	16.62
34.1	40	18.75	46.1	44	15.26	LINCOLN	0.4	1	35.91	0.4	1	39.20
40.1	29	11.54	49.6	42	13.53	LITTLE ROCK	11.9	4	5.37	13.5	7	8.30
39.7	38	15.31	43.9	36	13.12	LORAIN	1.9	3	25.82	1.8	2	18.22
1328.0	1126	13.55	1787.4	1498	13.39	LOS ANGELES	84.3	58	10.99	90.9	72	12.66

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF LARGE INTESTINE (I.S.C. ALL 153 EXCEPT 153.9)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
127.0	138	17.36	170.0	170	15.97	LOUISVILLE	18.2	16	14.05	21.0	27	20.57
20.6	9	6.98	24.6	11	7.15	LUBBOCK	1.4	1	11.05	1.2	1	13.17
18.5	11	9.51	25.1	17	10.84	LYNCHBURG	4.7	2	6.79	5.5	6	17.36
18.8	10	8.50	25.9	22	13.58	MACON	8.1	6	11.83	11.9	6	8.05
43.6	38	13.92	54.5	45	13.19	MADISON	0.3	0	0.00	0.2	0	0.00
43.7	40	14.62	58.1	56	15.40	MANCHESTER	0.1	0	0.00	0.1	0	0.00
69.0	62	14.36	96.7	90	14.87	MEMPHIS	43.7	21	7.68	49.1	36	11.71
224.1	224	15.97	243.1	213	14.00	MIAMI	14.9	9	9.68	15.5	15	15.42
6.3	8	20.20	7.2	3	6.67	MIDLAND	0.7	0	0.00	0.7	0	0.00
258.8	298	18.39	309.1	335	17.32	MILWAUKEE	6.6	4	9.68	6.1	3	7.81
314.2	320	16.27	398.4	389	15.60	MINNEAPOLIS	4.7	10	33.82	4.7	4	13.73
34.4	21	9.76	42.4	29	10.92	MOBILE	14.0	5	5.70	17.8	9	8.08
13.3	8	9.63	15.7	22	22.44	MONROE	6.6	5	12.11	7.5	6	12.82
16.7	13	12.42	24.0	16	10.64	MONTGOMERY	10.7	4	5.98	15.4	5	5.18
22.4	20	14.27	27.2	23	13.51	MUNCIE	1.2	4	54.18	1.1	1	14.15
27.9	26	14.87	31.2	19	9.74	MUSKEGON	1.5	1	10.31	1.4	0	0.00
61.2	49	12.79	84.7	49	9.24	NASHVILLE	15.0	8	8.52	18.4	19	16.48
361.1	484	21.42	456.5	532	18.62	NEWARK	31.2	24	12.28	37.7	38	16.10
153.7	192	19.96	186.8	213	18.22	NEW HAVEN	4.6	2	7.01	4.9	0	0.00
115.0	109	15.14	158.4	140	14.12	NEW ORLEANS	42.1	32	12.15	54.1	63	18.61
23.0	17	11.82	25.1	16	10.18	NEWPORT NEWS	9.9	1	1.62	9.6	9	15.02
3429.4	3289	21.63	2930.9	3535	19.27	NEW YORK	185.0	187	16.15	228.1	244	17.09
58.8	58	15.77	75.0	84	17.88	NORFOLK	23.1	16	11.07	26.2	14	8.53
8.9	3	5.41	8.8	7	12.69	ODESSA	0.4	0	0.00	0.4	0	0.00
19.7	14	11.37	21.9	8	5.84	OGDEN	0.4	0	0.00	0.4	0	0.00
94.0	53	9.01	118.2	92	12.43	OKLAHOMA CITY	7.7	2	4.14	8.4	3	5.73
94.6	80	13.51	114.7	94	13.10	OMAHA	4.9	4	12.93	5.4	5	14.78
62.3	57	14.61	72.5	68	14.99	ORLANDO	8.1	4	7.86	8.2	6	11.70
259.2	300	18.49	315.7	379	19.18	PATERSON	5.5	3	8.67	6.8	9	21.17
23.9	14	9.34	27.8	16	9.20	PENSACOLA	5.1	5	15.74	6.3	3	7.59
63.7	57	14.29	77.9	67	13.75	PEORIA	1.5	1	10.88	1.6	2	19.95
853.2	1125	21.07	1084.5	1356	19.98	PHILADELPHIA	111.6	123	17.61	128.0	148	18.48
121.8	89	11.68	128.8	98	12.16	PHOENIX	6.4	2	5.03	4.9	0	0.00
547.2	611	17.84	619.2	614	15.84	PITTSBURGH	35.3	32	14.48	33.3	37	17.77
35.9	33	14.68	47.6	45	15.10	PITTSFIELD	0.3	0	0.00	0.4	0	0.00
46.2	49	16.93	62.5	68	17.39	PORTLAND MAINE	0.2	0	0.00	0.2	0	0.00
219.2	174	12.68	257.7	192	11.91	PORTLAND OREG.	4.7	5	17.12	3.4	3	14.24
178.2	212	19.01	232.6	205	20.27	PROVIDENCE	2.7	4	24.06	2.7	2	11.93
16.4	3	2.93	18.6	13	11.16	PROVO	0.1	0	0.00	0.0	0	0.00
27.6	11	6.37	30.7	22	11.46	PUEBLO	0.7	0	0.00	0.8	0	0.00
31.6	38	19.20	36.3	32	14.10	RACINE	0.5	0	0.00	0.4	1	40.05
21.1	14	10.61	27.5	21	12.21	RALEIGH	6.7	4	9.50	8.3	2	3.84
74.6	68	14.57	98.3	90	14.29	READING	0.8	0	0.00	0.8	2	38.45
18.6	15	12.89	17.7	13	11.72	RENO	0.6	0	0.00	0.4	1	39.52
60.0	64	17.04	87.7	79	14.39	RICHMOND	18.5	14	12.08	22.3	13	9.30
30.7	19	9.87	39.5	30	12.12	ROANOKE	4.1	4	15.49	4.8	4	13.39
143.6	156	17.36	183.3	211	18.39	ROCHESTER	2.5	1	6.46	2.6	2	12.16
43.7	44	16.08	51.1	44	13.75	ROCKFORD	0.9	2	33.95	1.0	0	0.00
90.9	96	16.87	96.4	93	15.42	SACRAMENTO	6.6	3	7.31	4.2	2	7.58
36.4	36	15.81	42.4	38	14.33	SAGINAW	2.0	4	32.18	1.9	1	8.57
28.1	21	11.95	36.6	25	10.91	ST. JOSEPH	0.9	0	0.00	1.1	0	0.00
403.7	471	18.64	529.5	557	16.84	ST. LOUIS	55.0	49	14.22	63.0	59	14.95
67.2	40	9.51	81.0	55	10.84	SALT LAKE CITY	1.3	1	12.08	0.8	0	0.00
13.7	14	16.33	16.3	10	9.78	SAN ANGELO	0.7	1	22.97	0.8	0	0.00
107.4	89	13.24	138.7	100	11.52	SAN ANTONIO	7.8	7	14.42	10.0	5	7.95
186.1	137	11.77	207.1	145	11.19	SAN BERNARDINO	6.0	6	16.05	5.4	4	11.85
180.1	140	12.42	223.4	191	13.66	SAN DIEGO	5.7	3	8.34	5.4	3	8.90
576.8	549	15.15	718.3	653	14.52	SAN FRANCISCO	51.7	35	10.81	41.4	31	11.97
107.5	101	15.02	135.9	101	11.88	SAN JOSE	3.6	0	0.00	2.6	3	18.66
35.2	25	11.36	45.4	37	13.03	SANTA BARBARA	1.3	0	0.00	0.8	0	0.00
19.6	14	11.43	27.5	25	14.53	SAVANNAH	10.3	7	10.85	13.5	9	10.62
63.2	92	23.27	80.9	134	26.45	SCRANTON	0.2	0	0.00	0.2	1	64.58
253.1	205	12.94	293.3	250	13.62	SEATTLE	10.7	6	8.93	6.9	6	13.93
33.1	33	15.94	41.6	35	13.44	SHREVEPORT	18.9	4	3.38	23.1	9	6.23
29.2	22	12.03	33.5	25	11.91	SIOUX CITY	0.4	0	0.00	0.4	0	0.00
19.2	7	5.84	22.4	20	14.28	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
49.4	47	15.20	57.7	47	13.01	SOUTH BEND	2.2	2	14.73	2.1	1	7.66
72.8	52	11.41	80.7	58	11.48	SPOKANE	1.0	1	15.28	0.8	0	0.00
36.9	35	15.14	47.8	48	16.05	SPRINGFIELD I.	1.5	5	52.40	1.8	6	54.09
32.9	25	12.15	42.2	33	12.50	SPRINGFIELD MO	0.7	1	22.39	0.8	1	20.30
28.8	35	19.43	35.9	39	17.38	SPRINGFIELD O.	2.7	2	12.02	3.3	3	14.75
124.5	133	17.08	163.9	177	17.25	SPRINGFIELD MA	1.8	3	26.32	2.2	1	7.30
38.3	34	14.19	38.3	35	14.59	STEUBENVILLE	1.5	0	0.00	1.4	0	0.00
59.9	34	9.07	58.0	37	10.19	STOCKTON	7.5	3	6.43	3.1	0	0.00
129.9	134	16.49	157.7	148	15.00	SYRACUSE	1.7	2	18.89	1.7	1	9.60
74.0	68	14.68	82.5	75	14.52	TACOMA	1.4	1	11.06	1.1	1	14.16
276.2	239	13.83	301.1	219	11.62	TAMPA	14.6	10	10.97	15.7	12	12.24
29.5	27	14.64	36.2	34	14.99	TERRE HAUTE	1.3	0	0.00	1.4	0	0.00
18.4	16	13.92	21.1	14	10.59	TEXARKANA	5.7	3	8.35	6.2	4	10.28
102.2	116	18.13	125.0	98	12.53	TOLEDO	7.0	7	15.89	7.3	7	15.32
29.7	24	12.91	39.4	36	14.61	TOPEKA	2.3	4	27.48	2.6	4	24.90
56.5	73	20.64	69.1	82	18.97	TRENTON	4.6	3	10.36	4.7	11	37.49
48.3	41	13.55	54.6	41	11.99	TUCSON	3.0	1	5.40	2.6	1	6.20
79.8	66	13.22	97.8	76	12.42	TULSA	8.0	8	15.95	9.0	4	7.10
16.3	6	5.88	19.2	9	7.50	TUSCALOOSA	5.3	2	6.02	6.1	6	15.76
14.7	4	4.35	17.8	20	17.99	TYLER	4.8	1	3.30	5.3	1	3.00
87.0	89	16.34	104.4	112	17.14	UTICA	0.7	1	24.05	0.6	0	0.00
29.8	22	11.79	36.5	23	10.07	WACO	5.5	2	5.86	6.3	3	7.56
249.4	261	16.72	355.7	398	17.88	WASHINGTON	71.5	76	16.99	84.4	73	13.82
25.4	13	8.17	31.0	20	10.30	WATERLOO	0.7	0	0.00	0.6	1	26.05
61.3	52	13.56	67.4	36	8.53	W. PALM BEACH	8.4	4	7.64	6.5	2	4.93
54.5	50	14.65	62.7	63	16.06	WHEELING	1.4	3	33.91	1.3	0	0.00
55.1	42	12.19	71.0	58	13.04	WICHITA	2.9	1	5.52	2.9	0	0.00
23.1	15	10.36	27.7	18	10.37	WICHITA FALLS	1.5	0	0.00	1.6	0	0.00
91.6	111	19.37	115.7	148	20.43	WILKES-BARRE	0.3	2	121.89	0.3	0	0.00
64.3	68	16.89	79.0	96	19.41	WILMINGTON	8.2	10	19.42	7.9	8	16.18
23.2	19	13.08	30.6	29	15.15	WINSTON-SALEM	7.2	6	13.29	9.3	7	11.99
153.4	131	13.65	196.4	186	15.13	WORCESTER	0.8	0	0.00	0.8	0	0.00
56.7	69	19.43	67.4	77	18.26	YORK	0.8	0	0.00	0.9	1	18.55
108.7	136	19.99	117.5	106	14.61	YOUNGSTOWN	8.3	7	13.53	7.4	5	10.82
22454.4	23425	16.67	27638.3	27365	15.82	TOTAL 201 SMSA	2062.2	1674	12.97	2281.1	1982	13.88

ALL AGE STANDARD RATE = 15.98

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF RECTUM (I.S.C. 154)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
9.0	10	7.33	11.0	2	1.20	ABILENE	0.4	1	17.79	0.4	0	0.00
42.9	50	7.67	49.1	35	4.69	AKRON	2.5	3	8.05	2.5	1	2.63
2.3	0	0.00	2.8	0	0.00	ALBANY GA	1.5	1	4.36	2.3	1	2.89
68.6	110	10.54	86.9	68	5.15	ALBANY NY	1.1	1	6.05	1.1	0	0.00
14.3	9	4.15	16.2	7	2.86	ALBUQUERQUE	0.4	0	0.00	0.3	1	19.37
50.6	80	10.61	60.5	49	5.33	ALLENTOWN	0.3	0	0.00	0.3	1	21.84
15.7	11	4.61	19.2	12	4.10	ALTOONA	0.1	0	0.00	0.1	0	0.00
9.0	9	6.61	10.7	6	3.69	AMARILLO	0.4	0	0.00	0.4	0	0.00
11.3	8	4.66	14.6	14	6.33	ANN ARBOR	0.8	0	0.00	0.8	0	0.00
11.6	10	5.69	14.2	10	4.65	ASHEVILLE	1.4	1	4.82	1.6	0	0.00
54.1	36	4.38	74.5	36	3.18	ATLANTA	13.8	9	4.30	18.7	12	4.23
17.7	31	11.54	21.9	22	6.61	ATLANTIC CITY	3.0	3	6.56	3.4	3	5.74
9.1	7	5.04	11.9	4	2.21	AUGUSTA	4.2	2	3.14	5.7	6	6.96
13.9	5	2.36	17.7	6	2.23	AUSTIN	2.2	1	3.00	2.9	2	4.55
21.0	22	6.90	21.1	18	5.61	BAKERSFIELD	1.8	0	0.00	1.1	2	11.49
114.6	121	6.94	167.6	172	5.45	BALTIMORE	23.5	33	9.24	25.3	28	7.28
8.6	5	3.81	10.9	6	3.61	BATON ROUGE	4.7	1	1.40	5.7	1	1.16
8.9	12	8.83	10.4	18	11.42	BAY CITY	0.1	0	0.00	0.0	0	0.00
17.3	9	3.41	19.6	13	4.36	BEAUMONT	4.2	2	3.10	4.3	2	3.07
6.4	9	9.29	6.7	6	5.86	BILLINGS	0.1	0	0.00	0.1	0	0.00
20.8	28	8.87	25.5	20	5.16	BINGHAMTON	0.1	1	44.03	0.1	1	47.43
33.8	27	5.29	43.9	21	3.19	BIRMINGHAM	16.8	8	3.14	20.3	22	7.14
306.4	433	9.30	417.0	393	5.57	BOSTON	6.5	9	9.13	7.2	4	3.64
60.6	88	9.56	74.0	64	5.69	BRIDGEPORT	1.8	0	0.00	2.1	4	12.77
25.5	45	11.60	32.5	29	5.88	BROCKTON	0.6	0	0.00	0.4	0	0.00
9.2	2	1.44	10.2	4	2.59	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
116.6	205	11.56	138.6	143	6.79	BUFFALO	4.8	6	8.20	4.5	5	7.23
31.9	37	7.63	36.6	15	2.69	CANTON	1.2	2	10.76	1.2	2	11.25
12.8	21	10.78	14.1	10	4.07	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
8.1	9	7.34	10.6	10	6.21	CHAMPAIGN	0.4	0	0.00	0.4	1	16.28
7.4	10	8.84	9.8	9	6.04	CHARLESTON SC	3.6	2	3.70	5.1	2	2.56
18.5	17	6.06	20.9	9	2.83	CHARLESTON WVA	1.5	1	4.40	1.6	1	4.12
13.2	10	4.97	18.1	14	5.08	CHARLOTTE	3.6	3	5.52	4.4	3	4.45
18.9	10	3.47	23.9	11	3.03	CHATTANOOGA	3.9	8	13.61	4.8	0	0.00
512.0	765	9.83	605.7	512	5.56	CHICAGO	95.6	58	6.89	61.1	62	6.68
88.8	156	11.61	119.5	134	7.38	CINCINNATI	10.1	18	11.76	10.9	14	8.65
147.6	226	10.07	177.2	160	5.96	CLEVELAND	16.2	13	5.28	17.6	19	7.09
10.2	12	7.76	13.7	6	2.80	COLORADO SPRGS	0.2	0	0.00	0.3	0	0.00
11.7	5	2.82	15.6	4	1.69	COLUMBIA	4.3	4	6.18	5.3	3	3.72
7.8	6	5.07	10.4	5	3.12	COLUMBUS GA	3.3	0	0.00	4.9	2	2.71
67.6	70	9.68	82.6	46	4.83	COLUMBUS OHIO	6.1	8	8.64	6.5	8	8.14
12.2	3	1.61	13.6	3	1.67	CORPUS CHRISTI	0.6	0	0.00	0.7	0	0.00
70.0	67	6.42	91.6	45	3.23	DALLAS	10.5	3	1.89	11.2	10	5.87
26.4	36	8.41	31.4	22	4.60	DAVENPORT	0.4	1	14.89	0.4	0	0.00
49.7	50	6.61	60.6	46	5.00	DAYTON	4.5	5	7.24	4.6	4	5.66
11.1	17	10.11	14.1	5	2.36	DECATUR	0.4	0	0.00	0.4	1	16.35
73.3	67	6.01	92.9	57	4.06	DENVER	2.6	3	7.71	2.8	2	4.74
23.6	23	6.40	30.9	14	2.90	DES MOINES	0.9	1	7.04	1.0	2	12.64
276.2	371	8.86	298.1	223	4.92	DETROIT	54.0	36	6.96	35.2	28	5.26
7.4	7	6.26	10.2	6	3.88	DUBUQUE	0.0	0	0.00	0.0	0	0.00
32.6	43	8.69	32.6	22	4.47	DULUTH	0.2	0	0.00	0.1	0	0.00
5.6	0	0.00	7.7	4	3.40	DURHAM	2.3	1	2.86	2.9	3	6.88
15.4	9	3.85	19.9	10	3.48	EL PASO	0.4	0	0.00	0.4	0	0.00
23.3	27	7.63	27.5	25	5.90	ERIE	0.4	1	18.23	0.3	0	0.00
14.2	9	4.16	19.0	3	1.32	EUGENE	0.0	0	0.00	0.0	0	0.00
18.2	12	4.36	23.3	16	4.52	EVANSVILLE	1.4	2	9.27	1.5	0	0.00
41.7	61	9.62	56.0	63	7.64	FALL RIVER	0.5	1	12.68	0.5	0	0.00
9.5	13	8.99	10.2	8	5.50	FARGO	0.0	0	0.00	0.0	0	0.00
25.8	32	8.17	28.9	21	4.84	FLINT	1.5	3	13.36	1.5	0	0.00
36.8	31	5.54	38.1	21	3.63	FT. LAUDERDALE	2.2	1	2.95	2.2	0	0.00
6.4	4	4.08	8.1	4	3.26	FORT SMITH	0.5	0	0.00	0.6	0	0.00
19.1	26	8.27	24.0	21	5.75	FORT WAYNE	0.5	0	0.00	0.6	0	0.00
39.3	24	4.01	49.1	15	2.01	FORT WORTH	4.4	3	4.45	4.9	1	1.33
29.6	24	5.33	31.6	17	3.56	FRESNO	2.8	1	2.36	1.8	0	0.00
6.8	1	0.97	8.0	3	2.45	GADSDEN	1.0	0	0.00	1.2	0	0.00
8.6	6	4.57	9.4	9	6.29	GALVESTON	2.2	3	9.12	2.2	1	2.07
38.5	50	8.53	37.8	25	4.35	GARY	4.9	7	9.31	4.8	6	8.26
32.0	39	8.03	39.4	29	4.86	GRAND RAPIDS	0.9	2	15.08	0.9	0	0.00
6.2	6	6.41	6.1	4	4.33	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
10.4	13	8.21	12.3	17	9.13	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.6	8	3.87	17.5	5	1.88	GREENSBORO	2.9	3	6.72	3.4	5	9.73
11.6	7	3.96	15.2	6	2.60	GREENVILLE	2.1	1	3.09	2.7	1	2.41
14.5	20	9.04	17.4	11	4.16	HAMILTON	0.7	0	0.00	0.7	0	0.00
31.1	40	8.46	40.2	33	5.41	HARRISBURG	1.6	3	12.19	1.8	0	0.00
62.3	69	7.29	74.9	56	4.92	HARTFORD	1.6	2	[illegible]	1.8	0	0.00
7.6	7	6.04	8.3	9	7.10	HONOLULU	20.9	23	7.22	16.5	12	4.78
65.4	51	5.13	78.2	37	3.11	HOUSTON	14.5	13	5.88	15.9	12	4.95
23.8	17	4.70	27.5	19	4.56	HUNTINGTON	0.9	1	7.13	1.0	0	0.00
5.4	0	0.00	6.3	4	4.10	HUNTSVILLE	1.5	0	0.00	1.7	1	3.77
51.6	72	9.18	67.8	67	6.56	INDIANAPOLIS	7.9	9	7.47	8.7	4	3.02
11.8	16	7.78	14.0	12	5.66	JACKSON MICH	0.6	0	0.00	0.3	0	0.00
7.6	5	4.35	10.4	5	3.15	JACKSON MISS	5.0	2	2.63	5.9	2	2.23
23.6	16	4.46	29.7	25	5.54	JACKSONVILLE	7.1	12	11.08	8.5	6	4.64
62.6	133	13.99	74.3	84	7.44	JERSEY CITY	2.1	1	3.07	2.5	3	8.02
29.8	33	7.29	31.5	22	4.60	JOHNSTOWN	0.3	0	0.00	0.3	0	0.00
13.9	16	7.59	17.1	7	2.69	KALAMAZOO	0.4	2	35.02	0.4	1	17.93
84.1	76	5.79	108.6	71	4.30	KANSAS CITY	10.7	6	5.53	11.6	6	3.42
9.6	15	10.23	10.3	11	7.04	KENOSHA	0.0	0	0.00	0.0	0	0.00
26.9	16	3.43	33.3	15	2.96	KNOXVILLE	2.3	0	0.00	2.8	1	2.37
6.3	6	6.24	7.2	3	2.75	LAKE CHARLES	1.8	0	0.00	1.8	3	10.78
26.7	38	9.38	34.6	19	3.62	LANCASTER	0.3	0	0.00	0.3	1	23.29
23.8	29	8.01	28.5	20	4.61	LANSING	0.4	1	15.51	0.4	0	0.00
4.3	4	6.11	5.4	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
8.4	2	1.56	7.2	7	6.38	LAS VEGAS	0.5	1	12.35	0.4	0	0.00
4.3	1	1.54	4.9	2	2.69	LAWTON	0.4	1	15.01	0.5	0	0.00
9.2	6	4.28	12.0	4	2.20	LEXINGTON	2.1	4	12.52	2.3	2	5.60
9.5	16	11.06	11.3	13	7.54	LIMA	0.4	1	14.83	0.4	0	0.00
14.0	14	6.60	18.8	8	2.81	LINCOLN	0.2	0	0.00	0.2	0	0.00
16.6	12	4.76	20.3	7	2.27	LITTLE ROCK	4.9	7	9.43	5.5	3	3.96
16.4	16	6.43	19.0	12	4.39	LORAIN	0.8	0	0.00	0.7	1	9.06
548.1	631	7.57	731.3	514	4.62	LOS ANGELES	35.1	49	8.44	37.8	33	5.75

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF RECTUM (I.S.C. 154)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
52.4	56	7.09	69.6	43	4.07	LOUISVILLE	7.5	14	12.26	8.6	10	7.62
8.6	1	0.77	10.1	4	2.60	LUBBOCK	0.6	0	0.00	0.5	0	0.00
7.6	8	6.92	10.2	4	2.57	LYNCHBURG	1.9	1	3.40	2.3	0	0.00
7.8	4	3.37	10.6	4	2.47	MACON	3.4	0	0.00	4.9	1	1.34
18.0	17	6.29	22.3	10	2.95	MADISON	0.1	0	0.00	0.1	0	0.00
18.0	23	8.41	23.8	29	8.03	MANCHESTER	0.0	0	0.00	0.0	0	0.00
28.6	18	4.15	39.7	26	4.31	MEMPHIS	18.0	12	4.38	20.3	8	2.60
92.3	91	6.48	100.2	66	4.33	MIAMI	6.2	2	2.11	6.5	10	10.09
2.7	1	2.47	3.0	3	6.59	MIDLAND	0.3	0	0.00	0.3	0	0.00
107.0	182	11.19	126.9	124	6.43	MILWAUKEE	2.8	2	4.76	2.6	3	7.70
129.5	164	8.33	163.2	124	5.00	MINNEAPOLIS	2.0	4	13.48	1.9	1	3.44
14.3	10	4.61	17.5	8	3.01	MOBILE	5.8	7	7.91	7.4	3	2.68
5.5	3	3.60	6.4	2	2.04	MONROE	2.7	3	7.30	3.1	0	0.00
6.9	4	3.79	9.9	2	1.34	MONTGOMERY	4.4	1	1.49	6.3	0	0.00
9.2	9	6.43	11.1	8	4.74	MUNCIE	0.5	1	13.49	0.5	1	14.06
11.5	10	5.70	12.8	11	5.65	MUSKEGON	0.7	0	0.00	0.6	0	0.00
25.3	19	4.95	34.7	21	3.98	NASHVILLE	6.2	6	6.37	7.6	3	2.60
149.4	286	12.59	187.4	180	6.32	NEWARK	13.0	14	7.06	15.7	22	9.23
63.3	89	9.25	76.6	63	5.41	NEW HAVEN	1.9	2	6.96	2.0	0	0.00
47.8	67	9.22	65.1	48	4.85	NEW ORLEANS	17.5	34	12.79	22.3	28	8.25
9.6	7	4.81	10.4	4	2.56	NEWPORT NEWS	4.1	4	6.41	4.0	5	8.29
1005.3	1740	11.39	1207.5	1225	6.67	NEW YORK	77.4	110	9.35	95.1	88	6.09
24.5	18	4.84	30.9	18	3.83	NORFOLK	9.6	6	4.11	10.9	9	5.44
3.7	2	3.51	3.7	2	3.56	ODESSA	0.2	0	0.00	0.2	0	0.00
8.1	3	2.43	9.0	0	0.00	OGDEN	0.2	0	0.00	0.1	0	0.00
38.8	29	4.92	48.5	24	3.25	OKLAHOMA CITY	3.2	2	4.13	3.5	4	7.61
39.0	54	9.12	47.0	34	4.76	OMAHA	2.0	4	12.93	2.2	0	0.00
25.5	11	2.83	29.7	17	3.77	ORLANDO	3.4	2	3.90	3.4	4	7.73
107.4	188	11.52	129.9	135	6.84	PATERSON	2.3	2	5.69	2.8	3	6.98
9.9	7	4.64	11.5	5	2.87	PENSACOLA	2.1	2	6.28	2.6	1	2.52
26.3	34	8.52	31.9	21	4.34	PEORIA	0.6	0	0.00	0.7	1	9.93
352.5	550	10.27	444.9	445	6.58	PHILADELPHIA	46.4	59	8.36	53.1	56	6.94
50.4	47	6.14	53.1	37	4.58	PHOENIX	2.6	2	5.01	2.0	0	0.00
225.4	288	8.41	254.3	197	5.10	PITTSBURGH	14.6	13	5.84	13.8	23	10.97
14.8	17	7.58	19.4	26	8.81	PITTSFIELD	0.1	0	0.00	0.2	0	0.00
19.0	25	8.68	25.4	24	6.21	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
89.9	82	6.00	105.2	53	3.31	PORTLAND OREG.	1.9	2	3.41	1.6	1	4.69
73.4	95	8.51	95.2	86	5.96	PROVIDENCE	1.1	2	12.05	1.1	0	0.00
6.8	3	2.92	7.6	1	0.86	PROVO	0.0	0	0.00	0.0	0	0.00
11.3	10	5.81	12.5	2	1.05	PUEBLO	0.3	0	0.00	0.3	0	0.00
13.0	18	9.09	14.9	19	8.41	RACINE	0.2	0	0.00	0.2	0	0.00
8.7	1	0.75	11.3	7	4.07	RALEIGH	2.6	1	2.36	3.4	1	1.91
30.7	39	8.36	36.2	30	5.46	READING	0.3	0	0.00	0.3	0	0.00
7.7	6	5.14	7.3	5	4.51	RENO	0.2	1	27.20	0.2	0	0.00
24.8	17	4.50	35.9	15	2.75	RICHMOND	7.7	11	9.42	9.2	13	9.26
12.7	16	8.29	16.2	7	2.84	ROANOKE	1.7	3	11.50	2.0	2	6.66
59.0	87	9.70	74.9	56	4.92	ROCHESTER	1.0	3	19.04	1.1	1	6.00
18.0	20	7.30	20.9	17	5.36	ROCKFORD	0.4	0	0.00	0.6	1	15.31
37.6	51	8.93	39.6	27	4.48	SACRAMENTO	2.7	2	4.85	1.8	2	7.47
15.0	15	6.59	17.3	13	4.93	SAGINAW	0.8	1	7.85	0.8	0	0.00
11.5	13	7.45	14.9	13	5.75	ST. JOSEPH	0.4	1	18.45	0.4	1	14.84
166.6	246	9.72	216.4	178	5.41	ST. LOUIS	22.8	17	4.91	26.0	20	5.05
27.7	22	5.22	33.2	13	2.58	SALT LAKE CITY	0.5	0	0.00	0.3	0	0.00
5.6	4	4.67	6.7	4	3.93	SAN ANGELO	0.3	0	0.00	0.3	0	0.00
44.4	42	6.23	57.0	36	4.16	SAN ANTONIO	3.2	5	10.22	4.1	2	3.18
76.4	51	4.39	84.7	41	3.18	SAN BERNARDINO	2.5	2	5.30	2.2	2	5.91
74.3	71	6.29	91.5	68	4.89	SAN DIEGO	2.4	1	2.74	2.2	1	2.93
238.8	308	8.48	294.3	231	5.16	SAN FRANCISCO	21.7	16	4.86	17.3	16	6.08
44.3	50	7.42	55.6	38	4.49	SAN JOSE	1.5	1	4.45	1.1	0	0.00
14.5	11	5.00	18.5	18	6.39	SANTA BARBARA	0.5	1	12.57	0.3	1	18.98
8.1	11	8.90	11.3	6	3.49	SAVANNAH	4.3	2	3.07	5.6	2	2.35
26.1	61	15.40	33.2	37	7.33	SCRANTON	0.1	0	0.00	0.1	1	64.44
103.9	118	7.47	119.9	85	4.72	SEATTLE	4.4	5	7.43	2.9	3	6.90
13.7	6	2.88	17.1	10	3.85	SHREVEPORT	7.8	2	1.69	9.5	5	3.48
12.0	6	3.30	13.7	7	3.36	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
7.9	10	8.34	9.2	6	4.31	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
20.4	19	6.13	23.7	18	5.00	SOUTH BEND	0.9	0	0.00	0.9	1	7.58
29.8	42	9.39	32.9	27	5.40	SPOKANE	0.4	1	15.32	0.3	0	0.00
15.2	27	11.72	19.5	24	8.09	SPRINGFIELD I.	0.6	1	10.57	0.7	2	18.16
13.4	10	4.90	17.2	11	4.22	SPRINGFIELD MO	0.3	0	0.00	0.3	0	0.00
11.8	17	9.49	14.6	4	1.80	SPRINGFIELD O.	1.1	1	6.01	1.3	0	0.00
51.2	60	7.70	67.0	47	4.61	SPRINGFIELD MA	0.8	0	0.00	0.9	2	14.58
15.8	25	10.42	15.8	13	5.43	STEUBENVILLE	0.6	1	10.38	0.6	0	0.00
24.6	25	6.69	23.8	16	4.43	STOCKTON	3.1	4	8.51	1.3	1	5.11
53.4	61	7.51	64.6	45	4.59	SYRACUSE	0.7	0	0.00	0.7	0	0.00
30.3	34	7.37	33.7	17	3.32	TACOMA	0.6	0	0.00	0.5	0	0.00
112.5	106	6.08	123.0	81	4.33	TAMPA	6.0	3	3.26	6.5	7	7.09
12.1	17	9.28	14.8	9	4.01	TERRE HAUTE	0.5	0	0.00	0.6	1	11.16
7.5	2	1.74	8.7	1	0.76	TEXARKANA	2.4	1	2.79	2.6	2	5.15
42.1	58	9.09	51.2	25	3.22	TOLEDO	2.9	3	6.75	3.0	2	4.34
12.2	13	7.01	16.0	12	4.92	TOPEKA	1.0	0	0.00	1.1	1	6.23
23.3	45	12.69	28.4	35	8.12	TRENTON	1.9	2	6.81	2.0	2	6.73
20.0	17	5.59	22.6	14	4.08	TUCSON	1.2	1	5.36	1.1	0	0.00
32.9	22	4.40	40.2	16	2.62	TULSA	3.3	3	5.97	3.7	2	3.55
6.7	3	2.94	7.9	1	0.84	TUSCALOOSA	2.2	0	0.00	2.5	0	0.00
6.1	5	5.43	7.3	4	3.61	TYLER	2.0	0	0.00	2.2	1	3.00
35.7	51	9.41	42.6	35	5.40	UTICA	0.3	0	0.00	0.2	0	0.00
12.3	10	5.36	14.9	1	0.44	WACO	2.2	1	2.94	2.6	1	2.53
10[illegible]	112	7.10	146.3	122	5.49	WASHINGTON	29.8	45	9.93	35.0	39	7.34
10.4	12	7.56	12.7	6	3.11	WATERLOO	0.3	0	0.00	0.3	0	0.00
25.1	21	5.50	27.7	20	4.76	W. PALM BEACH	3.5	6	11.37	2.7	2	4.85
22.3	18	5.31	25.6	21	5.40	WHEELING	0.6	1	11.34	0.5	2	24.77
22.8	18	5.20	29.1	18	4.07	WICHITA	1.2	0	0.00	1.2	0	0.00
9.5	7	4.83	11.4	4	2.31	WICHITA FALLS	0.6	1	10.50	0.7	0	0.00
37.9	62	10.77	47.6	42	5.80	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
26.6	26	6.43	32.4	24	4.87	WILMINGTON	3.4	3	5.78	3.3	2	4.02
9.6	12	8.19	12.6	6	3.13	WINSTON-SALEM	3.0	4	8.74	3.9	8	13.57
63.0	97	10.13	80.2	68	5.58	WORCESTER	0.3	1	20.32	0.3	1	19.84
23.3	29	8.17	27.6	27	6.44	YORK	0.3	0	0.00	0.4	0	0.00
44.7	57	8.38	48.2	29	3.95	YOUNGSTOWN	3.4	2	3.82	3.1	4	8.56
9269.4	11877	8.43	11339.9	8846	5.13	TOTAL 201 SMSA	857.2	886	6.80	945.5	810	5.64

ALL AGE STANDARD RATE = 6.58

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF LIVER EXCEPT WHEN SPECIFIED AS SECONDARY (I.S.C. 155.0,156 A)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
3.9	5	3.65	4.6	0	0.00	ABILENE	0.2	0	0.00	0.2	0	0.00
18.7	14	2.11	21.0	15	2.01	AKRON	1.1	0	0.00	1.1	0	0.00
1.0	0	0.00	1.2	1	2.27	ALBANY GA	0.7	3	12.87	1.0	2	5.78
29.4	27	2.39	36.5	22	1.70	ALBANY NY	0.5	0	0.00	0.5	0	0.00
6.4	6	2.66	7.1	6	2.38	ALBUQUERQUE	0.2	0	0.00	0.2	1	18.36
21.7	21	2.73	25.5	15	1.66	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
6.7	8	3.39	8.1	8	2.80	ALTOONA	0.0	0	0.00	0.1	0	0.00
4.0	1	0.71	4.6	2	1.22	AMARILLO	0.2	0	0.00	0.2	0	0.00
4.9	2	1.15	6.1	4	1.84	ANN ARBOR	0.3	2	16.43	0.3	0	0.00
4.9	8	4.56	6.0	2	0.95	ASHEVILLE	0.6	3	14.31	0.7	1	4.05
23.8	27	3.20	31.8	18	1.60	ATLANTA	6.1	16	7.42	8.1	8	2.78
7.5	7	2.64	9.2	5	1.54	ATLANTIC CITY	1.3	4	8.75	1.5	0	0.00
4.1	6	4.16	5.1	4	2.20	AUGUSTA	1.8	1	1.55	2.4	1	1.15
6.0	7	3.28	7.5	2	0.75	AUSTIN	0.9	1	3.02	1.2	1	2.30
9.2	10	3.08	9.1	6	1.85	BAKERSFIELD	0.8	1	3.54	0.5	1	5.53
50.0	83	4.68	62.6	52	2.34	BALTIMORE	10.5	19	5.11	11.1	14	3.54
3.9	7	5.09	4.8	3	1.78	BATON ROUGE	2.0	2	2.77	2.4	7	8.06
3.9	7	5.12	4.4	10	6.41	BAY CITY	0.0	0	0.00	0.0	0	0.00
7.7	16	5.88	8.5	13	4.32	BEAUMONT	1.9	6	9.05	1.9	1	1.49
2.7	2	2.05	2.9	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
8.9	10	3.15	10.7	3	0.79	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
14.7	12	2.30	18.5	6	0.92	BIRMINGHAM	7.3	15	5.77	8.8	11	3.54
131.1	131	2.82	174.4	131	2.12	BOSTON	2.8	9	8.99	3.1	2	1.82
26.1	30	3.24	31.3	22	1.98	BRIDGEPORT	0.8	2	6.99	0.9	0	0.00
10.8	13	3.39	13.5	12	2.51	BROCKTON	0.2	0	0.00	0.2	0	0.00
4.0	4	2.81	4.4	5	3.20	BROWNSVILLE	0.0	1	67.44	0.0	0	0.00
50.5	52	2.91	58.9	35	1.68	BUFFALO	2.2	6	7.74	2.1	0	0.00
13.7	11	2.27	15.4	1	0.18	CANTON	0.5	1	5.18	0.5	1	5.44
5.5	7	3.61	6.7	6	2.51	CEDAR RAPIDS	0.0	0	0.00	0.1	0	0.00
3.5	1	0.81	4.5	3	1.89	CHAMPAIGN	0.2	0	0.00	0.2	1	15.70
3.3	2	1.69	4.2	3	2.00	CHARLESTON SC	1.6	2	3.49	2.3	4	4.99
8.0	11	3.86	9.0	7	2.19	CHARLESTON WVA	0.6	0	0.00	0.7	3	12.27
5.9	6	2.89	7.8	4	1.45	CHARLOTTE	1.6	3	5.29	2.0	1	1.44
8.2	10	3.43	10.2	15	4.15	CHATTANOOGA	1.7	0	0.00	2.1	1	1.35
222.6	325	4.12	258.7	275	3.00	CHICAGO	24.8	48	5.47	27.0	24	2.51
38.2	57	4.21	50.2	52	2.92	CINCINNATI	4.4	20	12.79	4.8	5	2.97
63.9	66	2.91	75.5	50	1.87	CLEVELAND	7.2	19	7.41	7.8	7	2.54
4.4	3	1.93	5.7	4	1.97	COLORADO SPNGS	0.1	0	0.00	0.1	0	0.00
5.1	3	1.64	6.7	3	1.27	COLUMBIA	1.9	1	1.50	2.3	2	2.44
3.5	5	4.03	4.6	7	4.32	COLUMBUS GA	1.5	6	11.43	2.1	0	0.00
20.6	24	3.29	26.4	23	2.45	COLUMBUS OHIO	2.7	11	11.65	2.8	4	4.02
5.5	6	3.10	5.9	7	3.36	CORPUS CHRISTI	0.3	0	0.00	0.3	0	0.00
30.6	31	2.86	39.0	28	2.02	DALLAS	4.6	4	2.46	4.9	2	1.15
11.4	11	2.72	13.2	16	3.42	DAVENPORT	0.2	0	0.00	0.2	0	0.00
21.6	21	2.75	25.7	20	2.19	DAYTON	2.0	9	12.62	2.0	3	4.14
4.7	4	2.40	5.9	4	1.92	DECATUR	0.2	0	0.00	0.2	0	0.00
31.6	27	2.41	39.1	14	1.01	DENVER	1.1	2	5.04	1.2	0	0.00
10.1	11	3.06	13.0	7	1.52	DES MOINES	0.4	2	14.04	0.4	0	0.00
121.4	155	3.60	128.8	110	2.41	DETROIT	15.4	33	6.06	15.7	13	2.34
3.1	1	0.90	4.2	1	0.67	DUBUQUE	0.0	0	0.00	0.0	0	0.00
13.8	15	3.07	13.7	3	0.62	DULUTH	0.1	0	0.00	0.1	0	0.00
2.4	1	1.16	3.3	2	1.71	DURHAM	1.0	2	5.54	1.3	0	0.00
6.9	8	3.29	8.3	9	3.08	EL PASO	0.2	1	14.74	0.2	0	0.00
10.0	8	2.26	11.6	8	1.95	ERIE	0.2	0	0.00	0.2	0	0.00
6.1	8	3.69	6.4	6	2.65	EUGENE	0.0	0	0.00	0.0	0	0.00
7.8	2	0.72	9.9	9	2.59	EVANSVILLE	0.6	1	4.68	0.6	0	0.00
17.8	20	3.14	23.5	21	2.52	FALL RIVER	0.2	0	0.00	0.2	0	0.00
4.1	0	0.00	4.3	2	1.30	FARGO	0.0	0	0.00	0.0	0	0.00
11.3	10	2.50	12.3	4	0.92	FLINT	0.7	2	8.23	0.7	0	0.00
15.9	8	1.42	16.4	14	2.40	FT. LAUDERDALE	1.0	1	2.74	1.0	3	8.21
2.7	6	6.19	3.4	3	2.49	FORT SMITH	0.2	1	14.34	0.2	0	0.00
8.3	10	3.42	10.2	15	4.16	FORT WAYNE	0.2	0	0.00	0.3	0	0.00
17.1	16	2.63	20.9	10	1.35	FORT WORTH	1.9	9	13.06	2.1	2	2.63
12.7	12	2.66	13.5	9	1.88	FRESNO	1.2	4	9.53	0.8	0	0.00
2.9	2	1.93	3.4	1	0.82	GADSDEN	0.4	2	12.97	0.5	0	0.00
3.8	5	3.72	4.1	3	2.08	GALVESTON	1.0	3	8.82	1.0	2	5.80
16.9	25	4.16	16.4	16	2.75	GARY	2.2	4	5.06	2.1	2	2.63
13.7	16	3.28	16.6	12	2.04	GRAND RAPIDS	0.4	2	14.56	0.4	0	0.00
2.6	1	1.07	2.6	1	1.08	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
4.5	9	5.65	5.2	8	4.33	GREEN BAY	0.0	0	0.00	0.0	0	0.00
6.0	8	3.78	7.5	10	3.75	GREENSBORO	1.3	2	4.30	1.5	2	3.79
5.1	6	3.31	6.5	3	1.30	GREENVILLE	0.9	2	6.00	1.2	0	0.00
6.3	9	4.03	7.4	10	3.82	HAMILTON	0.3	1	9.09	0.3	0	0.00
13.3	16	3.38	16.9	12	2.01	HARRISBURG	0.7	3	12.10	0.8	1	3.61
26.9	30	3.14	31.8	11	0.98	HARTFORD	0.7	2	7.99	0.8	0	0.00
3.5	5	4.04	3.7	2	1.53	HONOLULU	9.2	29	8.85	7.3	11	4.23
29.0	38	3.69	33.9	15	1.25	HOUSTON	6.5	31	13.48	7.0	8	3.21
10.1	16	4.45	11.6	6	1.46	HUNTINGTON	0.4	2	14.51	0.4	0	0.00
2.4	7	8.29	2.7	1	1.03	HUNTSVILLE	0.6	1	4.45	0.7	1	3.76
22.3	23	2.91	28.7	28	2.75	INDIANAPOLIS	3.4	8	6.55	3.8	1	0.75
5.1	6	3.33	5.8	7	3.38	JACKSON MICH	0.2	0	0.00	0.2	0	0.00
3.3	5	4.26	4.5	2	1.27	JACKSON MISS	2.2	4	5.20	2.5	0	0.00
10.4	12	3.25	12.8	6	1.33	JACKSONVILLE	3.1	9	8.07	3.7	2	1.52
27.1	60	6.25	31.7	42	3.74	JERSEY CITY	1.0	1	2.90	1.1	0	0.00
12.7	11	2.45	13.3	9	1.91	JOHNSTOWN	0.1	0	0.00	0.1	1	22.91
6.0	4	1.89	7.2	2	0.78	KALAMAZOO	0.2	0	0.00	0.2	0	0.00
36.2	49	3.82	45.7	29	1.79	KANSAS CITY	4.6	6	3.67	5.0	7	3.98
4.2	3	2.03	4.4	3	1.93	KENOSHA	0.0	0	0.00	0.0	0	0.00
11.7	10	2.42	14.2	3	1.59	KNOXVILLE	1.0	3	6.51	1.2	1	2.36
2.8	5	4.99	3.1	2	1.80	LAKE CHARLES	0.8	3	10.71	0.8	0	0.00
11.3	7	1.74	14.4	15	2.94	LANCASTER	0.1	0	0.00	0.1	0	0.00
10.3	10	2.75	12.1	12	2.81	LANSING	0.2	0	0.00	0.2	0	0.00
1.9	3	4.49	2.3	3	3.67	LAREDO	0.0	0	0.00	0.0	0	0.00
3.8	5	3.73	3.2	3	2.64	LAS VEGAS	0.2	0	0.00	0.2	1	13.56
1.9	3	4.49	2.1	0	0.00	LAWTON	0.2	0	0.00	0.2	0	0.00
4.0	4	2.84	5.0	2	1.12	LEXINGTON	0.9	3	9.44	1.0	1	2.83
4.1	4	2.78	4.8	1	0.59	LIMA	0.2	1	14.22	0.2	0	0.00
5.9	4	1.90	7.8	6	2.17	LINCOLN	0.1	0	0.00	0.1	0	0.00
7.2	8	3.15	8.6	4	1.31	LITTLE ROCK	2.1	6	8.13	2.4	2	2.39
7.1	7	2.79	7.7	7	2.57	LORAIN	0.3	1	8.29	0.3	1	8.83
236.8	195	2.32	307.4	154	1.41	LOS ANGELES	15.6	30	5.43	16.7	12	2.03

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF LIVER EXCEPT WHEN SPECIFIED AS SECONDARY (I.S.C. 155.0,156 A)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
22.7	33	4.10	29.4	28	2.60	LOUISVILLE	3.3	11	9.55	3.7	3	2.29
3.8	1	0.75	4.6	3	1.93	LUBBOCK	0.3	1	10.28	0.2	1	12.12
3.3	6	3.64	4.3	3	1.97	LYNCHBURG	0.8	3	10.21	1.0	0	0.00
3.5	3	2.45	4.6	3	1.85	MACON	1.5	7	13.32	2.1	1	1.33
7.7	5	1.82	9.6	7	2.10	MADISON	0.0	0	0.00	0.0	0	0.00
7.7	8	3.29	10.0	7	1.98	MANCHESTER	0.0	0	0.00	0.0	0	0.00
12.5	19	4.29	16.8	12	2.01	MEMPHIS	7.8	22	7.97	8.7	10	3.23
39.7	56	3.98	42.9	29	1.91	MIAMI	2.9	8	7.86	3.0	1	0.95
1.2	1	2.31	1.3	1	2.10	MIDLAND	0.1	0	0.00	0.1	1	22.46
46.4	54	3.29	56.0	25	1.31	MILWAUKEE	1.3	0	0.00	1.2	0	0.00
55.8	39	1.97	59.0	38	1.55	MINNEAPOLIS	0.9	2	6.60	0.8	0	0.00
6.3	6	2.69	7.5	2	0.75	MOBILE	2.5	7	7.64	3.2	0	0.00
2.4	6	4.75	2.8	0	0.00	MONROE	1.2	2	4.89	1.3	2	4.28
3.1	3	2.77	4.2	1	0.67	MONTGOMERY	1.9	3	4.42	2.7	0	0.00
3.9	8	5.79	4.7	6	3.62	MUNCIE	0.2	0	0.00	0.2	0	0.00
5.0	5	2.81	5.5	3	1.55	MUSKEGON	0.3	1	9.53	0.3	0	0.00
10.9	18	4.64	14.7	14	2.69	NASHVILLE	2.7	4	4.21	3.3	5	4.32
64.7	88	3.84	79.3	74	2.63	NEWARK	5.8	14	6.76	6.9	7	2.85
27.2	36	3.76	32.3	27	2.36	NEW HAVEN	0.8	0	0.00	0.9	1	3.17
21.0	27	3.63	27.9	25	2.54	NEW ORLEANS	7.8	15	5.46	9.7	8	2.33
6.3	9	3.31	4.9	3	1.88	NEWPORT NEWS	1.8	5	7.74	1.7	2	3.23
499.6	628	4.07	515.9	496	2.49	NEW YORK	36.7	103	8.38	42.0	60	4.03
10.9	19	3.88	13.3	11	2.32	NORFOLK	4.2	9	5.98	4.8	4	2.36
1.7	2	3.25	1.7	2	3.36	ODESSA	0.1	0	0.00	0.1	0	0.00
3.5	0	0.00	3.9	0	0.00	OGDEN	0.1	0	0.00	0.1	0	0.00
16.8	24	4.03	20.6	14	1.92	OKLAHOMA CITY	1.4	1	2.03	1.5	1	1.86
16.8	18	3.02	19.9	9	1.28	OMAHA	0.9	1	3.19	0.9	1	2.97
10.9	14	3.63	12.5	10	2.25	ORLANDO	1.5	3	5.66	1.5	1	1.88
46.7	44	3.99	55.4	40	2.06	PATERSON	1.0	1	2.71	1.3	2	4.49
4.4	6	3.86	5.0	4	2.27	PENSACOLA	0.9	1	3.05	1.1	0	0.00
11.3	10	2.50	13.6	12	2.52	PEORIA	0.3	1	10.84	0.3	0	0.00
152.4	190	3.52	188.3	162	2.13	PHILADELPHIA	20.6	26	3.57	23.2	25	3.04
21.9	20	2.57	23.0	8	0.98	PHOENIX	1.1	2	4.91	0.9	2	6.23
96.9	145	4.22	[illegible]	113	2.95	PITTSBURGH	6.4	13	5.72	6.0	10	4.69
6.3	8	3.59	[illegible]	11	3.84	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
8.0	13	4.54	10.5	8	2.14	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
36.2	40	2.99	44.1	26	1.54	PORTLAND OREG.	0.8	2	6.69	0.6	0	0.00
31.5	30	2.69	40.0	22	1.55	PROVIDENCE	0.5	0	0.00	0.5	0	0.00
3.0	0	0.00	3.3	3	2.58	PROVO	0.0	0	0.00	0.0	0	0.00
4.8	2	1.17	5.2	0	0.00	PUEBLO	0.1	0	0.00	0.1	0	0.00
5.6	6	2.01	4.3	3	1.34	RACINE	0.1	0	0.00	0.1	0	0.00
3.8	2	1.47	[illegible]	6	3.49	RALEIGH	1.2	6	13.86	1.5	1	1.90
13.1	16	3.44	15.3	16	2.96	READING	0.2	0	0.00	0.2	0	0.00
3.3	0	0.00	[illegible]	3	2.70	RENO	0.1	1	26.38	0.1	0	0.00
10.8	16	4.19	15.2	15	2.79	RICHMOND	3.4	8	6.70	4.0	6	4.21
5.3	8	4.11	[illegible]	7	2.88	ROANOKE	0.8	4	14.99	0.9	0	0.00
25.2	21	2.39	31.4	21	1.89	ROCHESTER	0.5	2	11.83	0.5	0	0.00
7.8	19	6.52	8.9	4	1.27	ROCKFORD	0.2	1	15.79	0.2	0	0.00
16.3	15	2.59	17.0	10	1.66	SACRAMENTO	1.2	2	4.75	0.8	1	3.54
6.5	8	3.49	7.3	8	3.07	SAGINAW	0.4	1	7.23	0.4	0	0.00
4.8	7	4.10	6.2	5	2.29	ST. JOSEPH	0.1	0	0.00	0.2	0	0.00
71.9	111	4.36	91.3	75	2.32	ST. LOUIS	10.0	36	10.20	11.3	15	3.75
22.1	9	1.17	14.1	7	1.40	SALT LAKE CITY	0.2	0	0.00	0.1	1	19.83
2.4	6	4.66	2.8	2	1.99	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
19.4	29	4.22	24.3	25	2.90	SAN ANTONIO	1.4	6	11.93	1.8	2	3.17
32.6	26	2.25	35.8	18	1.42	SAN BERNARDINO	1.1	3	7.70	1.0	0	0.00
32.2	39	3.42	40.8	38	2.76	SAN DIEGO	0.1	2	5.15	1.0	1	2.78
103.0	97	2.66	124.2	73	1.66	SAN FRANCISCO	9.7	29	8.40	7.8	3	1.08
19.3	21	3.07	25.6	9	1.08	SAN JOSE	0.6	1	4.36	0.5	0	0.00
6.2	5	2.27	7.8	2	0.72	SANTA BARBARA	0.2	2	24.37	0.2	1	18.55
3.6	1	0.79	4.8	6	3.50	SAVANNAH	1.9	2	2.97	2.4	0	0.00
11.2	16	4.03	16.1	8	1.40	SCRANTON	0.0	0	0.00	0.0	0	0.00
44.6	41	2.60	50.5	30	1.68	SEATTLE	1.9	3	4.40	1.3	0	0.00
6.0	6	2.83	7.3	3	1.16	SHREVEPORT	3.3	3	2.56	4.0	1	0.70
5.1	2	1.11	5.8	7	3.43	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
3.4	3	2.51	3.9	1	0.73	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
8.8	5	1.60	10.1	10	2.80	SOUTH BEND	0.4	1	7.02	0.4	0	0.00
12.5	13	2.93	13.7	7	1.44	SPOKANE	0.2	0	0.00	0.1	0	0.00
6.4	8	3.50	8.2	3	1.04	SPRINGFIELD I.	0.3	2	21.45	0.3	0	0.00
5.7	9	4.49	7.1	14	5.56	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
5.0	2	1.13	6.1	3	1.39	SPRINGFIELD O.	0.5	0	0.00	0.6	0	0.00
22.0	26	3.33	28.2	23	2.30	SPRINGFIELD MA	0.3	1	8.32	0.4	3	21.35
6.8	12	4.99	6.7	5	2.10	STEUBENVILLE	0.3	1	10.09	0.3	2	21.63
10.5	14	3.77	10.1	8	2.24	STOCKTON	1.3	0	0.00	0.6	0	0.00
22.9	16	1.97	27.0	21	2.19	SYRACUSE	0.3	0	0.00	0.3	0	0.00
12.9	9	1.97	14.2	5	0.99	TACOMA	0.3	0	0.00	0.2	0	0.00
47.0	50	3.00	51.5	31	1.70	TAMPA	2.7	7	7.41	2.8	3	2.97
5.1	8	4.43	6.2	6	2.75	TERRE HAUTE	0.2	0	0.00	0.2	1	11.32
3.2	3	2.63	3.6	5	3.96	TEXARKANA	1.0	1	2.82	1.1	0	0.00
18.2	19	2.95	21.6	6	0.78	TOLEDO	1.3	2	4.36	1.3	0	0.00
9.2	6	3.26	6.7	6	2.53	TOPEKA	0.4	1	6.91	0.5	0	0.00
10.1	18	5.04	12.0	8	1.88	TRENTON	0.9	0	0.00	0.9	1	3.25
8.8	7	2.25	9.8	5	1.44	TUCSON	0.5	2	10.52	0.5	0	0.00
14.2	19	3.78	17.1	13	2.15	TULSA	1.6	3	5.96	1.6	2	3.55
2.9	2	1.95	3.3	2	1.70	TUSCALOOSA	0.9	3	9.03	1.1	1	2.61
2.6	1	1.08	3.1	2	1.82	TYLER	0.9	3	9.88	0.9	0	0.00
15.1	20	3.73	17.8	13	2.06	UTICA	0.1	0	0.00	0.1	0	0.00
5.3	9	4.82	6.3	6	2.70	WACO	1.0	2	5.89	1.1	1	2.56
45.8	62	3.82	62.4	35	1.58	WASHINGTON	13.3	29	6.17	15.3	18	3.32
4.5	6	3.78	5.3	7	3.71	WATERLOO	0.1	2	44.69	0.1	0	0.00
10.6	16	4.24	11.7	7	1.68	W. PALM BEACH	1.5	3	5.50	1.2	2	4.61
9.4	11	3.30	10.7	8	2.12	WHEELING	0.2	1	11.55	0.2	0	0.00
9.9	8	2.28	12.4	6	1.37	WICHITA	0.5	0	0.00	0.5	0	0.00
4.1	8	5.46	4.9	4	2.32	WICHITA FALLS	0.3	0	0.00	0.3	0	0.00
16.4	17	2.93	20.3	24	3.34	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
11.6	12	2.93	13.8	9	1.84	WILMINGTON	1.5	2	3.77	1.4	1	1.97
4.2	2	1.33	5.4	1	0.52	WINSTON-SALEM	1.3	3	6.31	1.7	2	3.32
20.8	28	2.34	33.9	22	1.86	WORCESTER	0.1	0	0.00	0.1	0	0.00
10.0	10	2.82	11.6	6	1.45	YORK	0.2	2	37.07	0.2	0	0.00
19.2	37	[illegible]	20.5	20	2.75	YOUNGSTOWN	1.5	2	3.70	1.4	4	8.26
4006.4	4738	3.34	4817.0	3586	2.10	TOTAL 201 SMSA	379.2	885	6.58	414.6	403	2.74

ALL AGE STANDARD RATE = 2.82

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OTHER AND MULTIPLE SITES OF BILIARY PASSAGES (I.S.C. 155.1-155.8)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
3.4	2	1.48	4.2	4	2.43	ABILENE	0.1	0	0.00	0.1	0	0.00
16.4	16	2.45	18.7	29	3.88	AKRON	0.9	0	0.00	0.9	3	8.16
0.8	0	0.00	1.1	1	2.38	ALBANY GA	0.6	0	0.00	0.9	0	0.00
26.3	14	1.33	33.5	33	2.67	ALBANY NY	0.4	0	0.00	0.4	0	0.00
5.3	8	2.86	6.0	6	2.50	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
19.3	12	1.55	23.2	30	3.24	ALLENTOWN	0.1	0	0.00	0.1	1	22.37
6.1	7	2.89	7.4	5	1.68	ALTOONA	0.0	0	0.00	0.0	0	0.00
3.3	4	3.02	4.0	2	1.25	AMARILLO	0.1	0	0.00	0.2	0	0.00
4.2	0	0.00	5.5	5	2.27	ANN ARBOR	0.3	0	0.00	0.3	0	0.00
4.4	1	0.57	5.4	6	2.77	ASHEVILLE	0.5	0	0.00	0.6	0	0.00
20.1	11	1.37	28.1	28	2.49	ATLANTA	5.1	2	0.98	7.0	2	0.72
6.9	6	2.18	8.5	14	4.11	ATLANTIC CITY	1.2	0	0.00	1.3	1	1.89
3.6	3	2.23	4.5	1	0.56	AUGUSTA	1.6	0	0.00	2.2	2	2.32
5.2	5	2.39	6.7	4	1.49	AUSTIN	0.8	0	0.00	1.1	2	4.54
7.8	6	1.91	7.9	14	4.42	BAKERSFIELD	0.7	0	0.00	0.4	1	5.93
43.1	25	1.45	56.2	57	2.54	BALTIMORE	8.7	3	0.87	9.4	12	3.21
3.1	2	1.59	4.1	2	1.23	BATON ROUGE	1.8	2	2.84	2.1	1	1.17
3.4	2	1.48	4.0	4	2.53	BAY CITY	0.0	0	0.00	0.0	0	0.00
6.4	5	1.95	7.3	6	2.05	BEAUMONT	1.6	0	0.00	1.6	0	0.00
2.4	1	1.04	2.5	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
7.9	7	2.21	9.7	13	3.36	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
12.7	8	1.57	16.5	13	1.98	BIRMINGHAM	6.4	1	0.39	7.7	5	1.63
117.3	97	2.07	160.4	171	2.67	BOSTON	2.4	5	5.14	2.7	6	5.51
22.9	16	1.53	28.2	29	2.57	BRIDGEPORT	0.6	0	0.00	0.7	2	6.72
9.8	3	0.77	14.5	12	2.40	BROCKTON	0.2	0	0.00	0.1	1	17.63
3.4	4	2.92	3.8	4	2.62	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
44.4	36	1.91	53.0	85	4.01	BUFFALO	1.8	0	0.00	1.6	3	4.56
12.2	12	2.46	14.0	23	4.10	CANTON	0.5	1	5.48	0.4	1	5.79
4.9	2	1.02	6.2	11	4.44	CEDAR RAPIDS	0.0	0	0.00	0.0	1	52.66
3.0	2	1.66	4.0	2	1.24	CHAMPAIGN	0.1	0	0.00	0.2	0	0.00
2.7	4	3.68	3.7	3	2.05	CHARLESTON SC	1.3	0	0.00	1.9	1	1.30
6.9	10	3.62	7.9	11	3.50	CHARLESTON WVA	0.6	0	0.00	0.6	2	8.17
4.9	1	0.51	6.8	2	0.74	CHARLOTTE	1.3	0	0.00	1.6	2	3.05
7.1	4	1.40	9.1	8	2.20	CHATTANOOGA	1.5	0	0.00	1.8	1	1.38
194.6	188	2.42	231.4	346	3.74	CHICAGO	20.4	16	1.96	22.6	15	1.66
33.8	26	1.92	45.9	71	3.87	CINCINNATI	3.8	2	1.32	4.1	3	1.84
56.2	45	2.00	67.8	114	4.21	CLEVELAND	6.0	3	1.25	6.5	5	1.92
3.8	1	0.65	5.2	9	4.33	COLORADO SPNGS	0.1	0	0.00	0.1	0	0.00
4.3	3	1.74	5.9	2	0.85	COLUMBIA	1.6	1	1.57	2.0	1	1.25
2.8	0	0.00	3.9	3	1.90	COLUMBUS GA	1.2	1	2.02	1.8	1	1.37
17.9	16	2.23	23.9	37	3.88	COLUMBUS OHIO	2.3	1	1.09	2.4	1	1.03
4.5	5	2.77	5.0	7	3.56	CORPUS CHRISTI	0.2	0	0.00	0.3	0	0.00
26.1	11	1.05	34.6	25	1.81	DALLAS	3.9	2	1.28	4.2	1	0.60
10.1	9	2.22	12.0	10	2.08	DAVENPORT	0.2	0	0.00	0.2	0	0.00
18.7	19	2.56	23.0	32	3.48	DAYTON	1.7	1	1.48	1.7	3	4.35
4.2	9	5.35	5.4	7	3.25	DECATUR	0.1	0	0.00	0.1	0	0.00
27.7	24	2.17	35.4	35	2.48	DENVER	1.0	3	7.82	1.0	0	0.00
9.0	10	2.77	11.9	13	2.74	DES MOINES	0.4	0	0.00	0.4	1	6.33
104.8	88	2.10	112.9	176	3.90	DETROIT	12.5	4	0.83	12.9	12	2.33
2.8	2	1.78	3.9	8	5.10	DUBUQUE	0.0	0	0.00	0.0	0	0.00
12.6	12	2.38	12.5	28	5.61	DULUTH	0.1	0	0.00	0.0	0	0.00
2.1	1	1.20	2.9	1	0.85	DURHAM	0.9	0	0.00	1.1	0	0.00
5.7	6	2.65	7.1	20	7.10	EL PASO	0.2	0	0.00	0.1	0	0.00
8.9	8	2.26	10.5	18	4.28	ERIE	0.1	0	0.00	0.1	0	0.00
5.4	9	4.16	5.7	10	4.41	EUGENE	0.0	0	0.00	0.0	0	0.00
6.9	9	3.25	8.9	12	3.36	EVANSVILLE	0.5	0	0.00	0.6	0	0.00
16.0	15	2.35	21.6	28	3.24	FALL RIVER	0.2	0	0.00	0.2	0	0.00
3.6	2	1.37	3.9	8	5.15	FARGO	0.0	0	0.00	0.0	0	0.00
9.7	5	1.29	10.7	15	3.49	FLINT	0.5	1	4.79	0.6	1	4.53
14.5	8	1.38	14.8	13	2.20	FT. LAUDERDALE	0.8	1	3.15	0.8	0	0.00
2.5	0	0.00	3.1	5	4.01	FORT SMITH	0.2	0	0.00	0.2	1	11.13
7.2	4	1.38	9.2	12	3.27	FORT WAYNE	0.2	0	0.00	0.2	0	0.00
14.7	7	1.19	18.6	13	1.75	FORT WORTH	1.7	0	0.00	1.8	0	0.00
11.2	10	2.23	12.0	13	2.70	FRESNO	1.1	1	2.36	0.7	1	3.65
2.5	4	3.94	3.0	2	1.66	GADSDEN	0.4	0	0.00	0.4	0	0.00
3.2	2	1.59	3.5	4	2.56	GALVESTON	0.8	0	0.00	0.8	0	0.00
14.5	9	1.55	14.2	46	8.10	GARY	1.8	0	0.00	1.7	4	5.72
12.2	8	1.64	15.1	28	4.53	GRAND RAPIDS	0.3	0	0.00	0.3	0	0.00
2.3	2	2.14	2.3	1	1.08	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
4.0	3	1.90	4.7	2	1.07	GREEN BAY	0.0	0	0.00	0.0	0	0.00
5.1	9	4.45	6.6	3	1.14	GREENSBORO	1.1	0	0.00	1.2	0	0.00
4.3	2	1.16	8.7	2	0.87	GREENVILLE	0.8	0	0.00	1.0	0	0.00
5.5	4	1.83	6.6	10	3.80	HAMILTON	0.3	0	0.00	0.3	1	9.21
11.8	7	1.48	15.4	16	2.60	HARRISBURG	0.6	1	4.17	0.7	2	7.41
23.6	30	3.17	29.6	39	3.42	HARTFORD	0.6	0	0.00	0.6	0	0.00
2.7	2	1.86	3.0	2	1.64	HONOLULU	7.7	10	3.26	6.1	8	3.30
24.0	17	1.77	29.1	23	1.97	HOUSTON	5.4	1	0.47	5.9	2	0.85
9.0	8	2.21	10.5	14	3.36	HUNTINGTON	0.4	1	7.04	0.4	1	6.76
2.0	0	0.00	2.3	1	1.07	HUNTSVILLE	0.6	0	0.00	0.7	0	0.00
19.5	14	1.80	25.9	42	4.06	INDIANAPOLIS	3.0	3	2.50	3.3	1	0.76
4.5	4	2.23	5.3	7	3.28	JACKSON MICH	0.2	0	0.00	0.1	0	0.00
2.8	1	0.90	3.9	5	3.19	JACKSON MISS	1.9	0	0.00	2.2	3	3.39
8.8	5	1.43	11.2	6	1.36	JACKSONVILLE	2.7	2	1.89	3.2	2	1.57
24.0	19	1.36	28.6	49	4.29	JERSEY CITY	0.8	0	0.00	0.9	3	8.31
11.4	7	1.53	12.1	26	5.30	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
5.2	1	0.48	6.5	9	3.44	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
31.8	20	1.57	41.4	47	2.84	KANSAS CITY	4.1	1	0.61	4.4	2	1.14
3.7	4	2.70	3.9	9	5.71	KENOSHA	0.0	0	0.00	0.0	0	0.00
10.1	3	0.74	12.6	7	1.39	KNOXVILLE	0.9	0	0.00	1.0	0	0.00
2.3	1	1.09	2.7	5	6.71	LAKE CHARLES	0.7	0	0.00	0.7	1	3.66
10.1	5	1.23	13.2	19	3.60	LANCASTER	0.1	0	0.00	0.1	0	0.00
9.0	7	1.94	10.9	15	3.45	LANSING	0.2	1	16.24	0.1	0	0.00
1.6	5	4.59	2.0	6	7.41	LAREDO	0.0	0	0.00	0.0	0	0.00
3.1	3	2.43	2.6	0	0.00	LAS VEGAS	0.2	0	0.00	0.2	0	0.00
1.6	0	0.00	1.8	2	2.72	LAWTON	0.2	0	0.00	0.2	0	0.00
3.5	3	2.15	4.6	8	3.29	LEXINGTON	0.8	0	0.00	0.9	1	2.77
3.6	2	1.38	4.4	4	2.30	LIMA	0.2	0	0.00	0.1	0	0.00
5.3	3	1.41	7.2	18	6.24	LINCOLN	0.1	0	0.00	0.1	0	0.00
6.3	4	1.60	7.7	2	0.65	LITTLE ROCK	1.9	0	0.00	2.1	0	0.00
6.2	5	2.03	6.8	5	1.83	LORAIN	0.3	0	0.00	0.3	1	9.31
207.0	122	1.47	279.8	289	2.67	LOS ANGELES	12.8	9	1.76	13.9	14	2.92

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OTHER AND MULTIPLE SITES OF BILIARY PASSAGES (I.S.C. 155.1,155.8)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
19.7	12	1.52	24.5	34	3.21	LOUISVILLE	2.9	2	1.75	3.3	3	2.29
3.2	2	1.59	3.8	1	0.66	LUBBOCK	0.2	0	0.00	0.2	0	0.00
2.9	2	1.74	3.9	5	3.20	LYNCHBURG	0.7	1	3.39	0.9	2	5.78
2.9	2	1.74	4.0	3	1.87	MACON	1.3	1	1.98	1.9	1	1.35
6.8	6	2.20	8.5	11	3.23	MADISON	0.0	1	67.49	0.0	0	0.00
6.9	7	2.54	9.2	10	2.73	MANCHESTER	0.0	0	0.00	0.0	0	0.00
10.7	7	1.64	15.0	17	2.83	MEMPHIS	6.9	2	0.73	7.7	4	1.31
35.7	34	2.39	38.6	32	2.07	MIAMI	2.2	3	3.37	2.3	0	0.00
0.9	1	2.69	1.1	2	4.68	MIDLAND	0.1	0	0.00	0.1	0	0.00
40.8	34	2.09	48.5	76	3.92	MILWAUKEE	1.0	0	0.00	0.9	0	0.00
49.5	55	2.78	62.6	94	3.75	MINNEAPOLIS	0.7	0	0.00	0.7	0	0.00
5.3	8	3.79	6.5	3	1.15	MOBILE	2.2	1	1.16	2.7	0	0.00
2.1	0	0.00	2.6	0	0.00	MONROE	1.0	0	0.00	1.2	1	2.14
2.6	0	0.00	3.7	3	2.02	MONTGOMERY	1.7	1	1.49	2.4	1	1.03
3.5	3	2.16	4.2	5	2.95	MUNCIE	0.2	0	0.00	0.2	1	14.28
4.4	5	2.87	4.9	9	4.63	MUSKEGON	0.2	0	0.00	0.2	0	0.00
9.5	5	1.32	13.2	12	2.28	NASHVILLE	2.3	0	0.00	2.9	2	1.74
56.7	49	2.16	71.6	90	3.14	NEWARK	4.8	2	1.05	5.8	5	2.17
24.2	19	1.97	29.3	31	2.65	NEW HAVEN	0.7	2	7.22	0.7	1	3.39
17.9	20	2.79	24.7	25	2.53	NEW ORLEANS	6.6	9	3.43	8.4	5	1.49
3.5	1	0.72	3.8	2	1.30	NEWPORT NEWS	1.5	1	1.63	1.5	0	0.00
384.4	326	2.12	462.8	568	3.07	NEW YORK	28.4	17	1.50	34.8	26	1.87
9.0	3	0.83	11.6	13	2.80	NORFOLK	3.6	0	0.00	4.1	0	0.00
1.3	1	1.92	1.3	0	0.00	ODESSA	0.1	0	0.00	0.1	0	0.00
3.1	0	0.00	3.4	4	2.93	OGDEN	0.1	0	0.00	0.1	0	0.00
14.6	8	1.37	18.4	15	2.06	OKLAHOMA CITY	1.2	0	0.00	1.3	1	1.93
14.9	10	1.68	18.0	20	2.78	OMAHA	0.8	0	0.00	0.8	0	0.00
9.8	6	1.53	11.4	10	2.19	ORLANDO	1.3	1	2.00	1.3	1	1.98
40.5	35	2.16	49.4	60	3.04	PATERSON	0.8	1	2.98	1.0	3	7.27
3.7	4	2.72	4.3	3	1.76	PENSACOLA	0.8	0	0.00	1.0	2	5.14
9.9	6	1.51	12.2	25	5.16	PEORIA	0.2	0	0.00	0.2	1	10.11
134.0	102	1.90	170.4	199	2.92	PHILADELPHIA	17.3	19	2.74	19.7	18	2.28
19.1	12	1.57	20.1	27	3.36	PHOENIX	1.0	1	2.52	0.8	1	3.32
86.0	74	2.15	97.0	171	4.41	PITTSBURGH	5.6	2	0.90	5.2	3	1.45
5.6	1	0.44	7.5	15	5.03	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
7.2	3	1.04	9.8	5	1.28	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
34.6	32	2.32	40.5	49	3.03	PORTLAND OREG.	0.7	0	0.00	0.5	0	0.00
28.1	29	2.58	36.6	54	3.69	PROVIDENCE	0.4	0	0.00	0.4	2	12.09
2.5	2	1.98	2.9	4	3.47	PROVO	0.0	0	0.00	0.0	0	0.00
4.3	4	2.32	4.8	9	4.72	PUEBLO	0.1	0	0.00	0.1	0	0.00
5.0	3	1.51	5.7	9	3.95	RACINE	0.1	0	0.00	0.1	0	0.00
3.3	2	1.54	4.3	2	1.17	RALEIGH	1.0	0	0.00	1.3	0	0.00
11.7	5	1.06	13.9	12	2.16	READING	0.1	1	19.62	0.1	0	0.00
2.9	1	0.86	2.7	4	3.66	RENO	0.1	0	0.00	0.1	1	40.72
9.3	4	1.07	13.7	14	2.56	RICHMOND	2.9	2	1.74	3.5	2	1.44
4.8	4	2.08	6.2	6	2.43	ROANOKE	0.7	0	0.00	0.8	0	0.00
22.6	19	2.10	28.8	33	2.87	ROCHESTER	0.4	1	6.75	0.4	0	0.00
6.9	5	1.82	8.0	12	3.75	ROCKFORD	0.1	0	0.00	0.2	1	16.12
14.1	15	2.66	14.9	22	3.68	SACRAMENTO	1.0	2	4.98	0.6	3	11.57
5.7	2	0.88	6.6	7	2.65	SAGINAW	0.3	0	0.00	0.3	1	8.98
4.4	3	1.69	5.8	5	2.17	ST. JOSEPH	0.1	0	0.00	0.2	0	0.00
63.3	60	2.37	82.9	125	3.77	ST. LOUIS	8.6	4	1.16	9.8	8	2.04
10.5	10	2.39	12.6	15	2.98	SALT LAKE CITY	0.2	1	12.06	0.1	0	0.00
2.1	1	1.17	2.6	1	0.98	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
16.7	13	1.95	21.6	28	3.26	SAN ANTONIO	1.2	0	0.00	1.6	1	1.61
29.3	18	1.54	34.6	39	2.99	SAN BERNARDINO	0.9	1	2.72	0.8	1	3.02
27.9	22	1.97	34.8	32	2.30	SAN DIEGO	0.9	0	0.00	0.8	0	0.00
90.7	71	1.96	112.5	122	2.71	SAN FRANCISCO	7.9	11	3.49	6.2	4	1.61
16.6	11	1.66	21.0	30	3.57	SAN JOSE	0.5	1	4.60	0.4	2	12.68
5.5	2	0.91	7.1	10	3.51	SANTA BARBARA	0.2	0	0.00	0.1	0	0.00
3.0	2	1.66	4.3	0	0.00	SAVANNAH	1.6	1	1.55	2.1	0	0.00
10.0	3	0.75	12.8	18	3.51	SCRANTON	0.0	0	0.00	0.0	0	0.00
39.6	28	1.77	45.9	51	2.78	SEATTLE	1.6	2	3.04	1.1	0	0.00
5.1	0	0.00	6.5	4	1.55	SHREVEPORT	3.0	0	0.00	3.6	1	0.69
4.6	4	2.16	5.3	6	2.83	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
3.0	4	3.33	3.5	2	1.42	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
7.7	3	0.97	9.0	7	1.94	SOUTH BEND	0.3	0	0.00	0.3	1	7.78
11.4	5	1.10	12.6	10	1.98	SPOKANE	0.2	2	31.01	0.1	0	0.00
5.8	4	1.72	7.5	7	2.33	SPRINGFIELD I.	0.2	0	0.00	0.3	0	0.00
5.2	0	0.00	6.6	7	2.65	SPRINGFIELD MO	0.1	0	0.00	0.3	0	0.00
4.5	5	2.79	5.6	8	3.58	SPRINGFIELD O.	0.4	0	0.00	0.1	0	0.00
19.6	14	1.79	25.8	29	2.81	SPRINGFIELD MA	0.3	0	0.00	0.5	0	0.00
6.0	3	1.25	6.0	6	2.51	STEUBENVILLE	0.2	0	0.00	0.3	0	0.00
9.4	9	2.39	9.1	10	2.75	STOCKTON	1.2	1	2.15	0.5	1	5.23
20.4	16	1.96	24.7	27	2.73	SYRACUSE	0.3	0	0.00	0.2	0	0.00
11.6	7	1.51	12.9	17	3.29	TACOMA	0.2	1	11.90	0.2	0	0.00
44.7	27	1.51	48.5	36	1.86	TAMPA	2.3	1	1.11	2.4	3	3.10
4.7	2	1.08	5.7	11	4.82	TERRE HAUTE	0.2	0	0.00	0.2	0	0.00
2.9	1	0.87	3.3	4	3.02	TEXARKANA	0.9	0	0.00	1.0	1	2.55
16.1	8	1.24	19.7	29	3.69	TOLEDO	1.1	0	0.00	1.1	0	0.00
4.6	5	2.69	6.2	6	2.44	TOPEKA	0.4	0	0.00	0.4	1	6.15
8.9	3	0.84	10.9	18	4.15	TRENTON	0.7	0	0.00	0.7	1	3.51
7.6	9	2.96	8.6	10	2.92	TUCSON	0.5	4	21.67	0.4	2	12.63
12.4	8	1.61	15.3	9	1.47	TULSA	1.3	0	0.00	1.4	0	0.00
2.5	2	1.97	3.0	0	0.00	TUSCALOOSA	0.8	1	3.03	0.9	0	0.00
2.3	0	0.00	2.8	5	4.50	TYLER	0.8	0	0.00	0.8	0	0.00
13.7	12	2.19	16.4	27	4.12	UTICA	0.1	0	0.00	0.1	0	0.00
4.7	5	2.67	5.7	3	1.31	WACO	0.9	2	5.79	1.0	0	0.00
38.2	25	1.64	55.0	47	2.14	WASHINGTON	10.9	4	0.92	12.9	10	1.95
4.0	4	2.52	4.6	11	5.68	WATERLOO	0.1	0	0.00	0.1	0	0.00
9.9	4	1.01	10.8	14	3.24	W. PALM BEACH	1.3	0	0.00	1.0	2	5.07
8.6	5	1.46	9.8	10	2.54	WHEELING	0.2	0	0.00	0.2	1	12.29
8.5	3	0.89	11.0	7	1.59	WICHITA	0.4	0	0.00	0.5	1	5.55
3.6	1	0.70	4.3	3	1.73	WICHITA FALLS	0.2	0	0.00	0.3	0	0.00
14.5	15	2.59	18.3	25	3.42	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
10.0	4	1.00	12.5	21	4.27	WILMINGTON	1.3	0	0.00	1.2	1	2.05
3.6	3	2.10	4.7	5	2.64	WINSTON-SALEM	1.1	1	2.21	1.4	0	0.00
24.1	14	1.45	30.9	26	2.11	WORCESTER	0.1	0	0.00	0.1	0	0.00
8.9	2	0.56	10.6	20	4.74	YORK	0.1	1	19.59	0.1	0	0.00
17.1	20	2.95	18.4	36	4.89	YOUNGSTOWN	1.3	0	0.00	1.1	1	2.18
3520.5	2709	1.92	4332.3	5346	3.09	TOTAL 201 SMSA	318.6	192	1.51	351.6	277	1.97

ALL AGE STANDARD RATE = 2.50

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF PANCREAS (I.S.C. 157)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
10.6	13	9.56	12.9	10	6.07	ABILENE	0.4	0	0.00	0.5	0	0.00
51.5	61	9.23	58.2	37	6.96	AKRON	3.0	4	10.50	3.0	3	13.02
2.7	3	8.62	3.6	2	6.65	ALBANY GA	1.8	1	4.38	2.7	3	8.72
81.6	103	9.86	101.9	72	5.51	ALBANY NY	1.3	0	0.00	1.3	1	5.79
17.1	12	5.47	19.3	11	6.45	ALBUQUERQUE	0.4	1	18.00	0.4	2	38.97
60.2	81	10.50	71.1	52	5.70	ALLENTOWN	0.4	0	0.00	0.4	0	0.00
18.6	19	7.97	22.5	12	6.15	ALTOONA	0.1	0	0.00	0.1	0	0.00
10.7	8	5.82	12.6	15	9.25	AMARILLO	0.5	1	16.00	0.5	0	0.00
13.4	17	9.89	16.9	18	7.37	ANN ARBOR	0.9	2	16.91	0.9	1	8.63
13.7	18	10.26	16.6	13	6.10	ASHEVILLE	1.6	6	28.62	1.9	3	12.12
66.7	79	9.52	87.7	68	6.27	ATLANTA	16.5	15	7.10	22.2	21	7.38
20.9	25	9.31	25.7	16	6.24	ATLANTIC CITY	3.6	4	8.71	4.1	1	1.91
11.0	14	9.95	14.0	9	6.00	AUGUSTA	5.0	4	6.28	6.7	6	6.97
16.5	20	9.67	20.7	16	6.03	AUSTIN	2.6	4	12.12	3.4	1	2.30
25.1	33	10.27	25.1	13	6.05	BAKERSFIELD	2.2	3	10.69	1.4	0	0.00
137.6	181	10.27	173.7	127	5.70	BALTIMORE	28.3	49	13.50	30.2	26	6.72
10.4	15	11.24	12.0	13	7.83	BATON ROUGE	5.5	10	14.07	6.7	5	5.82
10.6	14	10.29	12.2	9	5.76	BAY CITY	0.1	0	0.00	0.1	0	0.00
20.9	25	9.33	23.3	18	6.03	BEAUMONT	5.1	7	10.74	5.1	2	3.06
7.5	12	12.40	7.9	11	10.81	BILLINGS	0.1	0	0.00	0.1	0	0.00
26.7	27	8.51	29.9	19	6.96	BINGHAMTON	0.2	0	0.00	0.2	0	0.00
40.4	67	12.93	51.2	41	6.25	BIRMINGHAM	20.1	19	7.36	26.1	14	4.53
363.5	450	9.65	487.5	384	6.14	BOSTON	7.7	6	6.09	8.5	5	6.59
72.2	96	10.36	87.1	70	6.27	BRIDGEPORT	2.2	5	18.09	2.5	5	15.81
30.1	32	8.30	37.7	28	5.80	BROCKTON	0.7	1	11.65	0.4	0	0.00
10.9	12	8.60	17.0	12	7.80	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
139.4	190	10.63	163.7	126	5.91	BUFFALO	5.8	11	14.70	5.5	6	8.56
37.8	33	6.80	47.9	17	3.09	CANTON	1.5	2	10.57	1.6	2	11.12
15.1	18	9.30	19.8	14	5.82	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
9.5	8	6.59	17.3	8	5.06	CHAMPAIGN	0.6	1	17.55	0.5	0	0.00
8.9	11	9.61	11.6	9	6.06	CHARLESTON SC	6.3	3	5.44	6.1	1	1.27
22.0	22	7.79	24.8	16	5.04	CHARLESTON WVA	1.8	1	4.37	1.9	0	0.00
15.9	15	7.36	21.4	14	5.11	CHARLOTTE	6.3	7	12.70	5.3	5	7.37
22.6	27	9.33	28.2	25	6.91	CHATTANOOGA	6.7	6	10.05	5.8	6	8.12
614.7	885	11.23	718.6	597	6.48	CHICAGO	66.7	120	15.08	72.9	66	7.06
105.6	118	8.72	130.9	91	5.07	CINCINNATI	12.1	17	10.98	13.0	20	12.00
176.6	226	9.99	209.8	163	6.06	CLEVELAND	19.5	32	12.77	21.1	19	7.03
12.0	12	7.80	15.9	8	3.93	COLORADO SPRGS	0.3	0	0.00	0.4	1	22.28
13.9	11	6.15	18.3	10	6.25	COLUMBIA	5.1	4	6.13	6.3	3	3.72
9.3	9	7.53	12.5	4	2.50	COLUMBUS GA	4.0	9	17.62	5.8	1	1.35
56.4	62	8.57	73.3	55	6.85	COLUMBUS OHIO	7.3	17	18.26	7.7	6	6.09
14.7	24	12.72	15.9	10	6.90	CORPUS CHRISTI	0.7	1	10.46	0.8	0	0.00
83.7	120	11.18	107.8	60	4.34	DALLAS	12.4	21	13.16	13.3	18	10.54
31.5	37	9.14	36.8	23	6.88	DAVENPORT	0.5	0	0.00	0.5	0	0.00
59.1	72	9.50	71.1	39	6.78	DAYTON	5.4	7	10.02	5.5	3	4.23
13.0	7	4.19	16.4	11	5.23	DECATUR	0.4	0	0.00	0.5	1	16.34
96.8	106	9.52	108.5	80	5.75	DENVER	3.0	4	10.27	3.3	0	0.00
28.0	26	7.24	36.1	21	4.53	DES MOINES	1.1	2	14.09	1.2	0	0.00
333.3	453	10.60	355.0	230	5.05	DETROIT	41.6	72	13.57	42.2	59	10.89
8.6	11	9.93	11.8	8	5.31	DUBUQUE	0.0	0	0.00	0.0	0	0.00
38.4	55	11.16	38.2	26	5.31	DULUTH	0.2	1	43.40	0.1	0	0.00
6.7	13	15.19	9.1	10	8.54	DURHAM	2.8	4	11.26	3.4	3	6.83
18.3	23	9.79	22.3	14	6.89	EL PASO	0.8	2	31.38	0.4	0	0.00
27.6	33	9.32	32.2	35	8.67	ERIE	0.4	1	17.89	0.6	0	0.00
16.9	2[illegible]	12.47	17.6	11	6.87	EUGENE	0.0	0	0.00	0.0	0	0.00
21.6	22	7.96	27.3	13	3.71	EVANSVILLE	1.7	1	4.65	1.8	0	0.00
49.5	63	9.91	65.6	55	6.53	FALL RIVER	0.6	1	12.78	0.5	0	0.00
11.3	11	7.60	12.0	7	4.57	FARGO	0.0	0	0.00	0.0	0	0.00
30.9	35	8.84	33.7	31	7.17	FLINT	1.8	2	8.74	1.8	1	4.26
44.3	47	8.27	45.8	31	5.27	FT. LAUDERDALE	2.7	8	23.19	2.7	2	5.80
7.6	9	9.24	9.5	2	1.64	FORT SMITH	0.5	1	14.29	0.7	2	22.80
22.7	30	10.30	28.2	21	5.81	FORT WAYNE	0.7	0	0.00	0.7	0	0.00
46.9	58	9.65	57.7	45	6.08	FORT WORTH	5.3	6	8.83	5.8	2	2.67
35.1	50	13.11	37.2	23	4.82	FRESNO	3.3	15	35.73	2.2	4	14.30
8.1	9	8.71	9.5	7	5.75	GADSDEN	1.2	1	6.59	1.4	3	16.72
10.4	10	14.26	11.2	10	4.98	GALVESTON	2.6	3	8.95	2.6	1	2.94
46.3	70	11.78	45.0	39	6.76	GARY	6.0	10	13.02	5.7	9	12.24
37.9	50	10.29	46.1	32	5.41	GRAND RAPIDS	1.0	0	0.00	1.0	0	0.00
7.3	9	9.69	7.2	9	9.76	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
12.4	15	9.47	14.6	6	3.25	GREEN BAY	0.1	0	0.00	0.1	0	0.00
16.3	14	6.70	20.7	13	6.89	GREENSBORO	3.5	7	15.42	4.0	0	0.00
13.9	21	11.70	18.0	9	3.91	GREENVILLE	2.5	1	3.07	3.2	3	7.21
17.2	12	5.88	20.6	11	6.21	HAMILTON	0.8	0	0.00	0.9	0	0.00
36.9	42	8.88	47.0	37	6.16	HARRISBURG	1.9	4	16.38	2.1	0	0.00
74.3	80	8.39	98.2	71	6.27	HARTFORD	1.9	4	16.71	2.1	1	3.73
9.1	8	6.85	9.9	5	3.95	HONOLULU	25.0	32	9.98	19.6	17	6.75
78.7	110	10.89	92.8	71	5.97	HOUSTON	17.5	25	11.16	18.9	28	11.53
28.1	36	9.65	32.3	36	8.60	HUNTINGTON	1.1	2	14.38	1.1	1	6.84
6.6	8	9.79	7.6	6	6.30	HUNTSVILLE	1.7	1	4.51	2.1	0	0.00
61.6	83	10.53	79.7	67	6.56	INDIANAPOLIS	9.6	19	15.70	10.3	10	7.55
14.0	15	8.34	16.3	9	4.32	JACKSON MICH	0.7	2	23.60	0.4	1	18.83
9.0	9	7.74	12.3	8	5.09	JACKSON MISS	5.9	5	6.59	6.9	3	3.38
28.3	36	9.38	35.1	22	6.89	JACKSONVILLE	8.6	12	10.94	10.2	6	4.60
75.2	126	12.86	88.6	67	5.91	JERSEY CITY	2.6	5	15.06	2.9	4	10.59
35.2	31	6.87	37.0	20	4.21	JOHNSTOWN	0.4	0	0.00	0.3	0	0.00
16.6	20	9.50	20.1	11	4.28	KALAMAZOO	0.4	1	17.58	0.4	0	0.00
97.7	105	8.21	127.1	81	4.97	KANSAS CITY	12.7	20	12.26	13.7	14	7.99
11.5	9	6.10	12.2	7	4.48	KENOSHA	0.1	0	0.00	0.1	0	0.00
32.0	39	9.49	39.3	38	7.54	KNOXVILLE	2.7	2	5.70	3.3	3	7.10
7.6	8	8.24	8.5	11	10.11	LAKE CHARLES	2.1	3	10.97	2.2	0	0.00
31.4	30	7.45	40.1	21	4.08	LANCASTER	0.4	0	0.00	0.3	0	0.00
28.2	30	8.30	33.4	19	4.44	LANSING	0.5	1	15.33	0.5	0	0.00
5.1	4	6.08	4.3	7	8.63	LAREDO	0.0	0	0.00	0.0	0	0.00
10.3	11	8.34	9.7	5	4.49	LAS VEGAS	0.6	1	12.06	0.5	1	14.65
5.0	16	24.79	5.7	5	6.70	LAWTON	0.5	0	0.00	0.5	0	0.00
10.9	19	13.55	13.9	15	8.39	LEXINGTON	2.5	4	12.54	2.8	3	8.45
11.2	19	13.21	13.3	7	4.12	LIMA	0.5	1	14.65	0.5	0	0.00
16.6	24	11.41	21.8	14	5.01	LINCOLN	0.2	0	0.00	0.2	1	39.13
19.7	28	11.07	23.9	24	7.86	LITTLE ROCK	5.8	10	13.56	6.5	6	7.16
19.4	30	12.04	21.1	19	7.01	LORAIN	0.9	2	17.02	0.9	0	0.00
692.4	807	9.65	857.0	609	5.56	LOS ANGELES	41.9	67	12.46	45.0	36	6.23

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF PANCREAS (I.S.C. 157)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
62.3	72	9.01	81.4	59	5.65	LOUISVILLE	9.0	9	7.84	10.2	12	9.17
10.2	8	6.11	12.0	11	7.17	LUBBOCK	0.7	0	0.00	0.6	0	0.0C
9.0	9	7.81	12.0	11	7.16	LYNCHBURG	2.3	1	3.42	2.7	2	5.84
9.3	6	5.01	12.6	7	4.35	MACON	4.0	6	11.63	5.8	0	0.00
21.2	23	8.45	24.0	20	5.99	MADISON	0.1	0	0.00	0.1	0	0.00
21.4	36	13.14	27.9	13	3.64	MANCHESTER	0.0	0	0.00	0.0	0	0.00
34.1	49	10.39	44.5	39	4.53	MEMPHIS	21.4	31	11.31	24.0	23	7.49
110.4	111	7.86	119.5	110	7.18	MIAMI	7.6	15	15.45	7.9	5	4.96
3.2	6	14.56	3.6	2	4.38	MIDLAND	0.3	1	22.50	0.3	0	0.00
128.1	136	8.29	150.0	96	4.99	MILWAUKEE	3.3	3	7.06	3.1	2	5.08
153.8	213	10.80	191.6	139	5.66	MINNEAPOLIS	2.3	6	20.15	2.3	3	10.38
17.1	21	9.57	20.6	13	4.92	MOBILE	7.0	7	7.83	8.7	10	8.94
6.5	7	8.39	7.6	8	8.21	MONROE	3.2	3	7.36	3.6	5	10.74
8.3	16	15.05	11.6	9	6.07	MONTGOMERY	5.2	7	10.43	7.4	6	6.29
10.9	10	7.19	13.0	5	3.01	MUNCIE	0.6	2	26.90	0.6	0	0.00
13.8	12	6.80	15.1	5	2.56	MUSKEGON	0.8	2	19.79	0.7	0	0.00
30.0	25	6.49	40.7	17	3.26	NASHVILLE	7.4	16	16.93	9.0	8	6.93
179.1	205	8.93	221.1	167	5.89	NEWARK	15.7	23	11.40	18.7	20	8.33
75.3	101	10.47	90.0	84	7.26	NEW HAVEN	2.2	1	3.49	2.4	3	9.81
57.5	92	12.47	79.0	67	6.70	NEW ORLEANS	21.0	27	10.00	26.5	20	5.89
11.5	25	17.00	12.2	8	5.10	NEWPORT NEWS	4.9	8	12.63	4.7	7	11.56
1206.0	1663	10.61	1437.1	1320	7.16	NEW YORK	93.7	165	13.72	114.1	94	6.42
29.3	31	8.25	36.5	32	6.83	NORFOLK	11.5	20	13.57	13.0	11	6.61
4.6	8	13.69	4.4	1	1.76	ODESSA	0.2	0	0.00	0.2	0	0.00
9.7	1	0.81	10.6	8	4.41	OGDEN	0.3	0	0.00	0.2	0	0.00
46.1	50	8.45	57.0	35	4.70	OKLAHOMA CITY	3.8	2	4.13	4.1	3	5.69
46.3	67	11.29	55.2	45	6.36	OMAHA	2.4	5	16.15	2.6	2	6.00
30.1	26	6.73	34.9	22	4.93	ORLANDO	4.0	3	5.79	4.1	0	0.00
128.8	164	9.93	153.8	156	7.91	PATERSON	2.8	4	11.20	3.4	6	13.82
11.8	13	8.57	13.9	4	7.31	PENSACOLA	2.5	2	6.28	3.1	2	5.04
31.2	38	9.59	37.3	29	6.06	PEORIA	0.7	0	0.00	0.2	1	9.94
421.0	519	9.51	524.2	381	5.67	PHILADELPHIA	55.9	101	14.09	63.3	53	6.53
60.2	60	7.78	63.2	53	4.56	PHOENIX	3.1	3	7.47	2.4	3	9.63
268.3	334	9.71	330.2	237	6.16	PITTSBURGH	17.6	17	7.51	16.5	15	7.09
17.5	26	11.61	22.6	28	9.65	PITTSFIELD	0.2	0	0.00	0.2	0	0.00
22.3	31	10.83	29.5	25	6.61	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
106.4	126	9.23	123.2	93	5.25	PORTLAND OREG.	2.3	6	20.28	1.7	1	4.64
87.3	110	9.82	111.9	69	4.81	PROVIDENCE	1.3	4	24.19	1.3	0	0.00
8.0	5	4.84	9.0	7	6.08	PROVO	0.0	0	0.00	0.0	0	0.00
13.3	14	8.19	14.5	11	5.60	PUEBLO	0.3	1	22.40	0.4	0	0.00
15.5	16	8.06	17.5	14	4.25	RACINE	0.2	2	- - -	0.2	0	0.00
10.4	9	6.73	13.4	10	5.84	RALEIGH	3.3	5	11.75	4.1	3	5.75
36.5	32	6.84	42.6	18	3.29	READING	0.4	1	19.06	0.4	0	0.00
9.2	12	10.18	8.6	6	5.41	RENO	0.3	0	0.00	0.2	0	0.00
29.6	39	10.00	47.2	25	4.62	RICHMOND	9.2	14	11.87	11.0	13	9.20
15.1	15	7.73	19.0	22	9.01	ROANOKE	2.1	5	18.85	2.4	3	9.90
70.1	99	11.02	97.6	91	8.10	ROCHESTER	1.2	0	0.00	1.3	1	5.96
21.4	27	9.82	24.4	16	5.07	ROCKFORD	0.5	1	16.52	0.5	0	0.00
44.8	61	10.62	66.7	33	5.52	SACRAMENTO	3.2	6	14.51	2.1	2	7.37
17.8	20	8.76	20.3	18	6.90	SAGINAW	1.0	0	0.00	0.9	1	8.35
13.5	11	6.37	17.3	11	4.96	ST. JOSEPH	0.4	0	0.00	0.5	1	15.23
198.5	261	10.29	254.2	162	4.97	ST. LOUIS	27.3	53	15.16	30.9	43	10.85
32.9	31	7.34	38.9	23	4.61	SALT LAKE CITY	0.6	2	24.73	0.4	1	20.30
6.7	8	9.34	7.9	7	4.93	SAN ANGELO	0.3	0	0.00	0.4	0	0.00
52.9	68	10.03	67.0	57	4.63	SAN ANTONIO	3.9	6	12.12	4.9	2	3.19
90.2	103	8.90	99.6	72	5.64	SAN BERNARDINO	3.0	4	10.52	2.6	4	11.91
87.9	120	10.64	107.3	73	5.30	SAN DIEGO	2.9	3	8.17	2.7	2	5.85
284.8	355	9.72	345.9	261	5.88	SAN FRANCISCO	26.2	33	9.80	20.8	15	5.62
52.5	59	8.76	65.0	33	3.96	SAN JOSE	1.8	1	4.44	1.3	0	0.00
17.1	15	6.83	21.7	15	5.40	SANTA BARBARA	0.6	2	24.66	0.4	0	0.00
9.7	16	12.82	13.3	10	5.85	SAVANNAH	5.2	7	10.55	6.7	8	9.35
31.1	29	7.26	39.3	39	7.73	SCRANTON	0.1	0	0.00	0.1	0	0.00
122.9	161	10.22	140.5	113	6.27	SEATTLE	5.3	4	5.93	3.4	2	4.58
16.3	19	9.08	20.2	17	6.57	SHREVEPORT	9.2	8	6.80	11.1	12	8.42
14.1	15	8.30	16.1	15	7.28	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
9.3	15	12.59	10.8	5	3.62	SIOUX FALLS	0.0	1	173.92	0.0	0	0.00
24.3	26	8.34	29.0	15	4.18	SOUTH BEND	1.1	1	7.18	1.0	0	0.00
34.8	48	10.74	38.3	35	7.13	SPOKANE	0.5	0	0.00	0.4	0	0.00
17.9	27	11.76	22.9	25	8.54	SPRINGFIELD I.	0.7	5	53.43	0.8	2	18.42
15.8	23	11.39	20.0	11	4.30	SPRINGFIELD MO	0.3	0	0.00	0.4	1	20.87
13.9	15	8.46	17.0	5	2.30	SPRINGFIELD O.	1.3	3	17.97	1.6	3	14.98
60.9	75	9.01	78.8	55	5.46	SPRINGFIELD MA	0.9	0	0.00	1.1	1	7.33
18.8	12	4.99	18.6	8	3.36	STEUBENVILLE	0.8	2	20.33	0.7	3	32.74
29.1	33	8.86	29.0	16	4.46	STOCKTON	3.7	3	6.26	1.5	0	0.00
63.3	77	9.40	75.3	51	5.28	SYRACUSE	0.8	0	0.00	0.8	2	19.29
35.7	47	10.25	39.5	27	5.33	TACOMA	0.7	1	10.95	0.6	1	14.08
132.4	143	8.67	145.0	85	4.57	TAMPA	7.2	7	7.54	7.8	4	4.02
14.2	15	8.24	17.3	10	4.52	TERRE HAUTE	0.6	0	0.00	0.7	0	0.00
9.0	14	12.19	10.2	8	6.13	TEXARKANA	2.8	5	14.03	3.0	3	7.77
50.3	64	9.93	60.1	29	3.76	TOLEDO	3.5	4	8.87	3.6	2	4.32
14.3	16	7.01	18.6	8	3.35	TOPEKA	1.1	1	6.93	1.3	2	52.48
27.9	37	10.34	33.5	26	6.05	TRENTON	2.3	8	26.87	2.3	3	10.03
24.0	30	9.74	26.9	21	6.09	TUCSON	1.5	3	16.01	1.3	1	6.15
39.1	57	11.37	47.3	39	6.27	TULSA	3.9	7	13.91	4.4	4	7.12
8.0	4	3.91	9.2	5	4.23	TUSCALOOSA	2.6	0	0.00	3.0	4	10.53
7.2	13	14.03	8.6	5	4.54	TYLER	2.4	1	3.30	2.6	2	6.01
42.0	57	10.57	49.6	32	5.03	UTICA	0.3	0	0.00	0.3	0	0.00
14.6	25	13.39	17.5	11	4.90	WACO	2.6	2	5.89	3.1	2	5.11
124.5	142	8.89	172.3	118	5.34	WASHINGTON	35.3	76	16.57	41.5	59	11.08
12.3	17	10.75	14.8	11	5.80	WATERLOO	0.3	2	46.02	0.3	1	26.00
29.8	46	12.03	32.8	29	6.90	W. PALM BEACH	4.2	3	5.62	3.3	0	0.00
26.2	30	11.60	29.8	20	5.23	WHEELING	0.7	0	0.00	0.6	0	0.00
27.0	25	7.22	34.1	19	4.36	WICHITA	1.4	3	16.49	1.4	3	16.23
11.3	17	11.72	13.4	12	6.97	WICHITA FALLS	0.8	1	10.38	0.8	0	0.00
45.5	47	8.06	56.6	44	6.06	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
31.7	35	8.60	38.1	20	4.09	WILMINGTON	4.1	10	19.07	3.9	5	9.98
11.5	19	12.89	14.9	5	2.61	WINSTON-SALEM	3.7	7	14.95	4.7	4	6.70
74.5	89	9.31	93.5	73	6.09	WORCESTER	0.4	0	0.00	0.4	1	20.23
27.7	26	7.33	32.4	24	5.78	YORK	0.4	1	18.97	0.4	0	0.00
53.1	68	9.98	59.9	56	7.40	YOUNGSTOWN	4.1	4	7.52	3.7	5	10.56
11093.8	13911	9.81	13350.9	10036	5.86	TOTAL 201 SMSA	1028.3	1594	12.09	1126.1	1031	7.14

ALL AGE STANDARD RATE = 7.80

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF LARYNX (I.S.C. 161)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
2.0	4	2.94	2.4	0	0.00	ABILENE	0.1	0	0.00	0.1	0	0.00
10.1	19	2.81	11.1	1	0.13	AKRON	0.6	1	2.46	0.6	0	0.00
0.5	0	0.00	0.6	0	0.00	ALBANY GA	0.3	0	0.00	0.5	0	0.00
15.6	44	4.20	18.9	5	0.39	ALBANY NY	0.3	1	5.71	0.3	0	0.00
3.4	4	1.76	3.7	0	0.00	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
11.5	16	2.07	13.3	2	0.22	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
3.5	7	2.99	4.2	1	0.36	ALTOONA	0.0	0	0.00	0.0	0	0.00
2.1	0	0.00	2.4	1	0.61	AMARILLO	0.1	1	15.06	0.1	0	0.00
2.6	7	4.04	3.1	0	0.00	ANN ARBOR	0.2	1	8.04	0.2	0	0.00
2.6	4	2.28	3.1	0	0.00	ASHEVILLE	0.3	2	9.34	0.4	0	0.00
12.8	20	2.34	16.6	3	0.27	ATLANTA	3.3	14	6.41	4.3	1	0.34
3.9	9	3.41	4.8	1	0.31	ATLANTIC CITY	0.7	2	4.37	0.8	0	0.00
2.2	2	1.37	2.7	0	0.00	AUGUSTA	1.0	2	3.13	1.3	2	2.33
3.2	2	0.94	3.9	1	0.39	AUSTIN	0.5	1	3.07	0.6	0	0.00
4.9	9	2.74	4.8	0	0.00	BAKERSFIELD	0.4	1	3.42	0.3	0	0.00
27.0	67	3.70	32.7	5	0.23	BALTIMORE	5.7	17	4.45	5.9	1	0.25
2.1	3	2.12	2.5	0	0.00	BATON ROUGE	1.1	2	2.82	1.3	0	0.00
2.0	3	2.20	2.3	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
4.2	14	4.97	4.5	0	0.00	BEAUMONT	1.0	2	2.97	1.0	1	1.47
1.4	2	2.08	1.5	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
4.8	7	2.19	5.6	0	0.00	BINGHAMTON	0.0	1	42.70	0.0	0	0.00
7.9	18	3.40	9.7	4	0.61	BIRMINGHAM	4.0	4	1.51	4.7	1	0.32
69.4	175	4.76	90.2	16	0.26	BOSTON	1.5	2	2.01	1.6	0	0.00
14.0	38	4.05	16.4	1	0.09	BRIDGEPORT	0.4	0	0.00	0.5	0	0.00
5.6	13	3.44	6.8	0	0.00	BROCKTON	0.1	0	0.00	0.1	0	0.00
2.1	1	0.71	2.3	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
27.0	65	3.58	30.9	6	0.29	BUFFALO	1.2	3	3.73	1.1	0	0.00
7.2	11	2.28	9.0	2	0.37	CANTON	0.3	0	0.00	0.3	0	0.00
2.8	1	0.52	3.4	1	0.44	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
1.8	1	0.83	2.3	0	0.00	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.8	3	2.51	2.2	1	0.67	CHARLESTON SC	0.9	2	3.45	1.2	2	2.51
4.3	8	2.77	4.7	1	0.31	CHARLESTON WVA	0.3	0	0.00	0.4	0	0.00
3.2	3	1.42	4.1	0	0.00	CHARLOTTE	0.9	4	6.95	1.0	1	1.63
4.4	8	2.72	5.4	0	0.00	CHATTANOOGA	0.9	3	4.84	1.1	1	1.32
120.5	295	3.65	137.1	17	0.18	CHICAGO	13.4	31	3.44	14.4	3	0.31
20.3	46	3.39	25.9	2	0.12	CINCINNATI	2.4	9	5.63	2.5	2	1.17
34.3	79	3.44	39.7	6	0.23	CLEVELAND	3.9	6	2.28	4.2	3	1.08
2.3	1	0.66	2.9	0	0.00	COLORADO SPRGS	0.0	0	0.00	0.1	0	0.00
2.7	3	1.63	3.5	0	0.00	COLUMBIA	1.0	2	3.01	1.2	0	0.00
1.9	4	3.22	2.4	0	0.00	COLUMBUS GA	0.8	4	7.63	1.1	0	0.00
10.9	18	2.47	13.6	5	0.55	COLUMBUS OHIO	1.4	3	3.16	1.5	1	1.00
2.9	6	3.05	3.1	0	0.00	CORPUS CHRISTI	0.2	0	0.00	0.2	0	0.00
16.4	23	2.09	20.4	2	0.15	DALLAS	2.4	4	2.45	2.6	0	0.00
6.0	7	1.73	6.8	3	0.66	DAVENPORT	0.1	0	0.00	0.1	0	0.00
11.4	17	2.22	13.3	1	0.11	DAYTON	1.1	0	0.00	1.1	1	1.38
2.5	2	1.21	3.0	1	0.49	DECATUR	0.1	0	0.00	0.1	0	0.00
16.6	15	1.35	20.1	1	0.07	DENVER	0.6	1	2.56	0.6	0	0.00
5.3	11	3.07	6.7	0	0.00	DES MOINES	0.2	1	7.07	0.2	0	0.00
66.0	126	2.84	68.6	10	0.22	DETROIT	8.5	17	2.98	8.5	3	0.53
1.6	3	2.79	2.1	3	2.11	DUBUQUE	0.0	0	0.00	0.0	0	0.00
7.2	5	1.04	7.1	0	0.00	DULUTH	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.7	0	0.00	DURHAM	0.6	2	5.38	0.7	0	0.00
3.6	5	2.50	4.3	1	0.35	EL PASO	0.1	0	0.00	0.1	0	0.00
5.3	12	3.39	6.0	0	0.00	ERIE	0.1	2	33.55	0.1	0	0.00
3.2	3	1.38	3.3	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
4.1	9	3.26	5.1	0	0.00	EVANSVILLE	0.3	0	0.00	0.3	0	0.00
9.5	21	3.31	12.2	2	0.25	FALL RIVER	0.1	0	0.00	0.1	0	0.00
2.1	3	2.08	2.2	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
6.1	19	4.41	6.5	2	0.46	FLINT	0.4	0	0.00	0.4	1	4.08
8.5	11	1.93	8.9	1	0.17	FT. LAUDERDALE	0.6	0	0.00	0.5	0	0.00
1.4	2	2.08	1.8	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
4.4	9	1.70	5.3	0	0.00	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
9.1	18	2.94	10.9	0	0.00	FORT WORTH	1.0	3	4.32	1.1	0	0.00
6.7	11	2.45	7.0	1	0.21	FRESNO	0.6	1	2.43	0.4	0	0.00
1.6	2	1.91	1.8	0	0.00	GADSDEN	0.2	0	0.00	0.3	0	0.00
2.1	6	4.33	2.2	0	0.00	GALVESTON	0.5	2	5.68	0.5	0	0.00
9.1	19	3.10	8.7	2	0.34	GARY	1.2	2	2.45	1.1	0	0.00
7.2	9	1.44	8.5	2	0.35	GRAND RAPIDS	0.2	0	0.00	0.2	0	0.00
1.4	1	1.09	1.3	1	1.11	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
2.4	2	1.26	2.7	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
3.2	3	1.39	4.0	1	0.38	GREENSBORO	0.7	0	0.00	0.8	0	0.00
2.7	10	5.46	3.4	0	0.00	GREENVILLE	0.5	2	5.97	0.6	0	0.00
3.3	3	1.34	3.8	1	0.39	HAMILTON	0.2	0	0.00	0.2	0	0.00
7.1	8	1.69	8.7	0	0.00	HARRISBURG	0.4	0	0.00	0.4	0	0.00
14.4	21	2.17	16.6	1	0.09	HARTFORD	0.4	2	7.98	0.4	0	0.00
1.8	4	3.26	1.9	2	1.56	HONOLULU	5.0	11	3.31	3.8	0	0.00
15.8	26	2.45	18.0	1	0.08	HOUSTON	3.5	11	4.76	3.7	1	0.40
5.3	10	2.80	6.0	1	0.25	HUNTINGTON	0.2	0	0.00	0.2	0	0.00
1.3	1	1.19	1.4	0	0.00	HUNTSVILLE	0.3	1	4.54	0.4	0	0.00
11.9	20	2.50	14.9	4	0.40	INDIANAPOLIS	1.8	5	4.08	2.0	0	0.00
2.7	8	4.49	3.0	1	0.50	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
1.8	4	3.36	2.3	1	0.64	JACKSON MISS	1.1	2	2.63	1.3	2	2.27
5.6	13	3.47	6.7	0	0.00	JACKSONVILLE	1.7	1	0.88	2.0	0	0.00
14.7	43	4.36	16.9	5	0.44	JERSEY CITY	0.5	2	5.66	0.6	0	0.00
6.6	7	1.58	6.9	0	0.00	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
3.1	3	1.42	3.7	0	0.00	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
19.2	27	2.10	23.6	5	0.32	KANSAS CITY	2.4	4	2.49	2.6	2	1.15
2.2	6	2.70	2.3	1	0.65	KENOSHA	0.0	0	0.00	0.0	0	0.00
6.3	8	1.91	7.9	1	0.20	KNOXVILLE	0.5	5	13.94	0.6	0	0.00
1.5	3	2.96	1.6	0	0.00	LAKE CHARLES	0.4	1	3.64	0.4	0	0.00
5.9	6	1.51	7.3	0	0.00	LANCASTER	0.1	0	0.00	0.1	0	0.00
5.4	5	1.38	6.2	2	0.48	LANSING	0.1	0	0.00	0.1	0	0.00
1.0	4	6.00	1.2	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
2.1	2	1.41	1.8	0	0.00	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
2.1	5	3.56	2.6	1	0.58	LEXINGTON	0.5	1	3.18	0.5	1	2.86
2.1	5	3.52	2.4	0	0.00	LIMA	0.1	0	0.00	0.1	0	0.00
3.1	4	1.94	4.0	0	0.00	LINCOLN	0.0	0	0.00	0.0	0	0.00
3.8	6	2.35	4.5	2	0.67	LITTLE ROCK	1.1	0	0.00	1.2	0	0.00
3.7	8	3.20	4.0	0	0.00	LORAIN	0.2	0	0.00	0.2	1	8.97
126.0	189	2.23	159.3	27	0.25	LOS ANGELES	8.3	12	2.15	8.9	4	0.67

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF LARYNX (I.S.C. 161)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
12.1	20	3.58	15.2	3	0.29	LOUISVILLE	1.7	3	2.58	.9	0	0.00
2.0	7	1.48	2.3	0	0.00	LUBBOCK	0.1	0	0.00	0.1	0	0.00
1.7	0	0.00	2.2	0	0.00	LYNCHBURG	0.4	2	6.91	0.5	0	0.00
1.8	6	4.84	2.4	0	0.00	MACON	0.8	1	1.89	1.1	0	0.00
4.0	6	2.21	4.8	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
4.1	12	4.39	4.2	1	0.29	MANCHESTER	0.0	0	0.00	0.0	0	0.00
6.7	16	3.58	8.7	2	0.36	MEMPHIS	4.1	6	2.18	4.6	0	0.00
21.2	45	3.17	22.9	2	0.13	MIAMI	1.6	3	2.86	1.6	0	0.00
0.7	1	2.24	0.7	1	2.11	MIDLAND	0.1	0	0.00	0.1	0	0.00
25.0	57	3.40	28.4	5	0.26	MILWAUKEE	0.7	2	4.46	0.6	0	0.00
29.4	42	2.19	35.8	1	0.04	MINNEAPOLIS	0.4	1	3.33	0.4	0	0.00
3.4	7	3.08	3.9	1	0.38	MOBILE	1.4	0	0.00	1.7	0	0.00
1.3	2	2.36	1.4	0	0.00	MONROE	0.6	0	0.00	0.7	0	0.00
1.6	0	0.00	2.2	0	0.00	MONTGOMERY	1.0	0	0.00	1.4	0	0.00
2.1	6	2.88	2.4	1	0.62	MUNCIE	0.1	0	0.00	0.1	0	0.00
2.7	6	2.23	2.9	0	0.30	MUSKEGON	0.2	1	9.17	0.1	0	0.00
5.8	9	2.30	7.6	1	0.20	NASHVILLE	1.4	2	2.09	1.7	2	1.72
35.1	76	3.15	41.8	9	0.32	NEWARK	3.2	10	4.69	3.7	2	0.80
14.4	34	3.52	14.8	1	0.09	NEW HAVEN	0.4	1	3.43	0.5	0	0.00
11.5	46	5.99	14.6	3	0.31	NEW ORLEANS	4.2	6	2.85	5.1	0	0.00
2.3	4	2.61	2.3	0	0.00	NEWPORT NEWS	1.0	1	1.52	0.9	0	0.00
236.9	544	3.42	274.1	61	0.33	NEW YORK	19.1	58	4.53	22.8	9	0.59
5.8	9	2.31	7.0	0	0.00	NORFOLK	2.3	11	7.24	2.5	0	0.00
1.0	0	0.00	0.9	1	1.66	ODESSA	0.0	0	0.00	0.0	0	0.00
1.9	0	0.00	2.0	0	0.00	OGDEN	0.1	0	0.00	0.0	0	0.00
8.9	13	2.17	10.7	0	0.00	OKLAHOMA CITY	0.7	2	4.08	0.8	0	0.00
8.9	14	2.34	10.3	0	0.00	OMAHA	0.5	1	3.23	0.5	0	0.00
5.6	4	1.04	6.5	0	0.00	ORLANDO	0.8	2	3.74	0.8	0	0.00
25.3	58	3.41	29.3	5	0.25	PATERSON	0.6	3	7.94	0.7	0	0.00
2.3	5	3.22	2.6	0	0.00	PENSACULA	0.5	0	0.00	0.6	0	0.00
6.0	9	2.23	6.9	1	0.21	PEORIA	0.1	0	0.00	0.2	0	0.00
81.6	166	3.03	98.6	21	0.32	PHILADELPHIA	11.2	31	4.14	12.4	4	0.48
11.6	17	2.19	12.2	2	0.25	PHOENIX	0.6	2	4.91	0.5	0	0.00
51.5	106	3.07	56.7	8	0.21	PITTSBURGH	3.5	10	4.26	3.2	1	0.46
3.3	6	2.70	4.1	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
4.2	7	2.40	5.4	1	0.28	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
20.1	28	2.08	22.8	7	0.46	PORTLAND OREG.	0.5	0	0.00	0.3	0	0.00
16.7	43	3.83	20.9	3	0.21	PROVIDENCE	0.2	1	6.13	0.2	0	0.00
1.5	0	0.00	1.7	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
2.5	5	2.99	2.7	0	0.00	PUEBLO	0.1	0	0.00	0.1	0	0.00
3.0	6	3.03	3.3	1	0.46	RACINE	0.0	0	0.00	0.0	0	0.00
2.0	1	0.73	2.5	0	0.00	RALEIGH	0.6	0	0.00	0.8	0	0.00
7.0	8	1.71	8.0	1	0.19	READING	0.1	0	0.00	0.1	0	0.00
1.8	2	1.66	1.7	0	0.00	RENO	0.1	0	0.00	0.0	0	0.00
5.8	17	4.38	7.9	0	0.00	RICHMOND	1.8	3	2.48	2.1	1	0.70
2.9	4	2.03	3.6	0	0.00	ROANOKE	0.4	1	3.63	0.5	0	0.00
13.3	29	3.24	14.2	2	0.18	ROCHESTER	0.3	3	17.68	0.3	0	0.00
4.1	7	2.53	4.6	1	0.32	ROCKFORD	0.1	0	0.00	0.1	0	0.00
8.7	13	2.23	8.8	2	0.34	SACRAMENTO	0.6	1	2.38	0.4	0	0.00
3.4	4	1.75	3.8	1	0.39	SAGINAW	0.2	1	6.92	0.2	0	0.00
2.5	3	1.79	3.1	0	0.00	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
38.4	90	3.49	47.6	2	0.06	ST. LOUIS	5.3	10	2.79	6.0	3	0.75
6.3	8	1.18	7.3	0	0.00	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.3	1	1.17	1.5	0	0.00	SAN ANGELO	0.1	1	21.87	0.1	0	0.00
10.3	20	2.01	12.6	3	0.35	SAN ANTONIO	0.8	3	9.84	0.9	0	0.00
17.0	28	2.46	18.5	2	0.16	SAN BERNARDINO	0.6	2	5.08	0.5	1	2.98
16.8	16	1.42	20.0	4	0.30	SAN DIEGO	0.6	1	2.61	0.5	0	0.00
55.1	113	3.09	44.4	13	0.30	SAN FRANCISCO	5.4	5	1.39	4.2	0	0.00
10.1	11	1.63	12.1	2	0.25	SAN JOSE	0.3	0	0.00	0.3	1	5.95
3.3	7	3.21	4.0	0	0.00	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
1.9	5	3.88	2.5	0	0.00	SAVANNAH	1.0	1	1.45	1.3	0	0.00
6.0	18	4.48	7.4	1	0.20	SCRANTON	0.0	0	0.00	0.0	0	0.00
23.3	26	1.67	24.0	4	0.23	SEATTLE	1.0	1	1.46	0.7	1	2.24
3.2	7	3.29	3.8	0	0.00	SHREVEPORT	1.7	2	1.72	2.1	0	0.00
2.6	8	4.52	3.0	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
1.8	3	2.54	2.0	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
4.7	9	2.85	5.3	0	0.00	SOUTH BEND	0.2	1	6.86	0.2	0	0.00
6.4	5	1.16	7.0	2	0.49	SPOKANE	0.1	0	0.00	0.1	0	0.00
3.4	3	1.32	4.2	0	0.00	SPRINGFIELD I.	0.1	0	0.00	0.2	0	0.00
2.9	2	1.02	3.6	0	0.00	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
2.6	0	0.00	3.1	0	0.00	SPRINGFIELD O.	0.2	0	0.00	0.3	0	0.00
11.6	29	3.20	14.5	3	0.31	SPRINGFIELD MA	0.2	2	17.01	0.2	0	0.00
3.6	16	6.62	3.5	3	1.27	STEUBENVILLE	0.2	0	0.00	0.1	0	0.00
5.5	11	2.98	5.2	3	0.85	STOCKTON	0.8	2	3.96	0.3	0	0.00
12.0	20	2.48	13.9	6	0.64	SYRACUSE	0.2	0	0.00	0.2	0	0.00
6.7	7	1.55	7.3	2	0.41	TACOMA	0.1	0	0.00	0.1	0	0.00
24.0	37	2.30	26.7	5	0.28	TAMPA	1.4	3	3.12	1.5	0	0.00
2.6	5	2.81	3.2	0	0.00	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
1.7	1	0.87	1.9	1	0.76	TEXARKANA	0.5	0	0.00	0.6	0	0.00
9.7	18	2.77	11.2	1	0.13	TOLEDO	0.7	1	2.13	0.7	0	0.00
2.7	3	1.64	3.4	0	0.00	TOPEKA	0.2	0	0.00	0.2	0	0.00
5.4	8	2.21	6.3	1	0.24	TRENTON	0.5	1	3.20	0.5	0	0.00
4.7	6	1.91	5.2	0	0.00	TUCSON	0.3	0	0.00	0.2	0	0.00
7.5	9	1.79	8.9	0	0.00	TULSA	0.8	0	0.00	0.8	0	0.00
1.5	1	0.97	1.7	0	0.00	TUSCALOOSA	0.5	0	0.00	0.6	0	0.00
1.4	1	1.07	1.6	1	0.92	TYLER	0.5	1	3.29	0.5	0	0.00
7.9	13	2.46	9.1	2	0.33	UTICA	0.1	0	0.00	0.1	0	0.00
2.9	3	1.61	3.3	1	0.46	WACO	0.5	1	2.99	0.6	0	0.00
24.8	65	3.90	32.7	8	0.38	WASHINGTON	7.2	34	7.06	8.1	7	1.29
2.3	3	1.91	2.7	1	0.55	WATERLOO	0.1	0	0.00	0.1	0	0.00
5.6	6	1.61	6.2	0	0.00	W. PALM BEACH	0.8	0	0.00	0.7	0	0.00
4.9	7	2.14	5.5	1	0.27	WHEELING	0.1	1	11.65	0.1	0	0.00
5.2	6	1.14	6.4	0	0.00	WICHITA	0.3	2	10.83	0.3	0	0.00
2.2	4	2.74	2.5	0	0.00	WICHITA FALLS	0.1	1	10.10	0.2	0	0.00
8.9	17	2.85	10.8	1	0.14	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
6.2	11	2.66	7.2	3	0.62	WILMINGTON	0.8	5	9.25	0.8	0	0.00
2.3	3	1.96	2.9	0	0.06	WINSTON-SALEM	0.7	1	2.02	0.9	0	0.00
14.1	27	2.89	17.2	0	0.00	WORCESTER	0.1	0	0.00	0.1	0	0.00
5.3	6	1.69	6.1	1	0.25	YORK	0.1	0	0.00	0.1	0	0.00
10.1	33	4.86	10.7	2	0.28	YOUNGSTOWN	0.8	1	1.80	0.7	0	0.00
2138.3	4140	2.89	2915.3	400	0.24	TOTAL 201 SMSA	204.1	472	3.45	220.2	67	0.35

ALL AGE STANDARD RATE = 1.49

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF BRONCHUS AND TRACHEA AND OF LUNG (I.S.C. 162-163)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
30.3	36	26.44	35.3	8	5.04	ABILENE	1.3	5	87.20	1.3	0	0.00
152.9	241	35.00	166.0	44	5.90	AKRON	9.4	22	52.37	9.2	1	2.42
8.3	23	61.34	9.8	0	0.00	ALBANY GA	5.0	7	30.93	7.5	0	0.00
232.9	492	47.03	277.1	69	5.56	ALBANY NY	4.0	7	39.11	3.9	1	5.64
52.0	52	22.26	57.0	10	3.91	ALBUQUERQUE	1.3	2	34.04	1.2	1	18.36
172.7	249	32.10	196.2	50	5.67	ALLENTOWN	1.2	6	114.67	1.1	0	0.00
51.8	80	34.37	60.9	16	5.86	ALTOONA	0.4	2	117.00	0.4	0	0.00
32.4	49	33.62	36.5	7	4.27	AMARILLO	1.5	1	14.56	1.6	0	0.00
39.0	48	27.42	45.9	10	4.95	ANN ARBOR	2.9	4	30.98	2.8	1	8.04
38.0	60	34.32	45.7	12	5.85	ASHEVILLE	4.8	9	41.75	5.6	0	0.00
196.6	377	43.13	247.0	51	4.60	ATLANTA	49.5	82	36.84	65.2	19	6.49
58.2	114	43.57	69.8	27	8.61	ATLANTIC CITY	10.2	17	37.26	11.5	2	3.86
33.5	53	35.23	40.0	10	5.56	AUGUSTA	14.3	19	29.60	19.1	2	2.33
47.4	73	34.28	56.8	15	5.98	AUSTIN	7.2	13	40.27	9.4	1	2.37
74.2	135	40.49	72.7	21	6.43	BAKERSFIELD	6.6	15	50.60	4.2	1	5.29
409.2	945	51.40	485.5	122	5.59	BALTIMORE	87.4	239	60.86	90.4	30	7.39
32.6	74	50.55	37.8	9	5.30	BATON ROUGE	15.8	18	25.38	19.0	6	7.04
30.5	55	40.15	33.6	9	5.97	BAY CITY	0.2	1	129.65	0.2	0	0.00
64.2	134	46.45	67.9	29	9.50	BEAUMONT	15.2	24	35.05	15.5	3	6.31
21.5	33	34.17	22.3	4	4.00	BILLINGS	0.2	0	0.00	0.2	0	0.00
71.4	116	36.14	82.1	20	5.42	BINGHAMTON	0.5	1	42.65	0.5	0	0.00
119.2	278	51.91	144.5	35	5.39	BIRMINGHAM	59.7	76	28.36	69.8	13	4.14
1033.4	1871	40.30	1314.5	350	5.92	BOSTON	22.4	49	48.76	23.9	10	9.29
210.4	378	39.90	242.1	46	6.07	BRIDGEPORT	6.7	17	56.29	7.6	0	0.00
83.4	142	37.90	99.1	19	4.27	BROCKTON	1.8	2	25.30	1.2	0	0.00
31.6	35	24.67	34.2	13	8.46	BROWNSVILLE	0.3	0	0.00	0.3	0	0.00
406.8	831	45.47	458.8	96	4.66	BUFFALO	18.6	41	48.96	17.1	4	5.20
107.5	168	34.78	117.2	37	7.03	CANTON	4.5	10	49.18	4.3	2	10.44
42.2	74	39.00	49.8	12	5.36	CEDAR RAPIDS	0.3	2	130.92	0.4	0	0.00
26.8	31	25.75	33.7	7	4.69	CHAMPAIGN	1.3	3	51.01	1.4	1	15.55
27.5	75	60.63	33.2	7	4.69	CHARLESTON SC	13.3	10	16.69	18.0	6	7.43
65.1	141	48.24	71.2	19	5.94	CHARLESTON WVA	5.1	8	34.78	5.6	2	8.00
48.3	85	39.13	60.9	13	4.75	CHARLOTTE	13.1	17	28.80	15.9	4	5.61
66.0	129	43.48	79.8	17	4.74	CHATTANOOGA	14.0	18	28.68	17.0	2	2.61
1821.3	3473	42.45	2042.3	614	6.69	CHICAGO	206.7	423	45.54	219.4	88	6.70
303.7	610	44.70	379.5	98	5.75	CINCINNATI	36.0	114	70.51	38.5	10	5.79
516.3	978	42.16	591.1	175	6.59	CLEVELAND	60.6	148	56.41	63.5	20	7.01
34.0	35	22.93	42.4	8	4.20	COLORADO SPNGS	0.8	0	0.00	1.0	0	0.00
41.8	62	33.02	51.9	10	4.30	COLUMBIA	15.1	17	25.10	18.1	3	3.68
28.7	30	30.27	36.0	9	8.57	COLUMBUS GA	11.9	14	26.17	16.7	5	6.65
163.4	306	41.69	200.3	63	7.00	COLUMBUS OHIO	21.5	41	47.53	22.4	4	3.98
44.9	80	39.65	47.1	11	5.20	CORPUS CHRISTI	2.4	5	46.62	2.5	4	35.01
249.2	495	44.27	303.8	75	5.49	DALLAS	36.7	70	42.44	39.3	10	5.66
89.8	127	31.47	99.9	20	4.45	DAVENPORT	1.6	2	28.66	1.4	1	15.58
172.0	282	36.40	197.0	42	4.75	DAYTON	16.5	32	43.29	16.5	7	9.48
36.5	79	45.60	44.1	9	4.54	DECATUR	1.3	2	34.15	1.4	0	0.00
248.7	341	30.52	295.1	65	4.90	DENVER	8.6	12	30.27	9.3	2	4.80
79.7	162	45.25	97.8	22	5.01	DES MOINES	3.1	6	42.51	3.4	0	0.00
1006.1	1923	42.55	1032.0	296	6.38	DETROIT	131.7	244	41.23	130.6	38	6.48
23.7	55	51.58	30.4	8	5.85	DUBUQUE	0.0	0	0.00	0.0	0	0.00
105.6	162	34.13	105.5	21	4.43	DULUTH	0.5	0	0.00	0.4	0	0.00
20.1	38	38.79	25.8	2	1.73	DURHAM	8.4	8	21.12	10.2	2	4.35
55.0	74	29.95	64.7	18	6.20	EL PASO	1.5	0	0.00	1.3	0	0.00
78.7	155	43.85	88.4	20	5.03	ERIE	1.4	1	16.23	1.2	1	18.04
48.5	63	28.91	49.3	8	3.61	EUGENE	0.1	0	0.00	0.1	0	0.00
61.4	95	34.46	74.5	28	8.36	EVANSVILLE	4.7	10	47.68	5.1	4	17.61
141.0	219	34.42	177.9	41	5.13	FALL RIVER	1.7	5	66.76	[illegible]	0	0.00
32.0	25	17.36	33.3	7	4.68	FARGO	0.0	0	0.00	0.0	0	0.00
92.2	185	44.69	96.5	25	5.77	FLINT	5.8	18	69.16	5.7	3	11.75
127.7	244	42.52	134.5	39	6.45	FT. LAUDERDALE	8.6	12	31.11	8.4	2	5.30
21.2	34	35.74	25.7	11	9.53	FORT SMITH	1.5	3	44.74	1.9	2	23.75
65.8	94	31.80	77.6	11	3.15	FORT WAYNE	2.1	0	0.00	2.1	0	0.00
138.1	242	39.01	162.1	35	4.81	FORT WORTH	15.6	23	32.72	17.0	3	3.92
100.2	157	34.80	103.7	33	7.08	FRESNO	9.0	20	49.21	6.5	5	17.06
23.5	37	35.01	26.8	4	3.32	GADSDEN	3.5	5	31.61	4.1	1	5.45
31.5	79	55.88	32.4	10	6.86	GALVESTON	8.0	15	41.64	7.9	2	5.60
139.1	264	42.24	131.3	34	5.76	GARY	18.8	39	46.29	17.7	6	7.55
108.0	142	29.29	124.6	26	4.65	GRAND RAPIDS	3.1	4	28.47	3.1	0	0.00
20.5	25	27.12	20.1	4	4.44	GREAT FALLS	0.2	1	113.79	0.2	0	0.00
35.4	30	18.89	39.8	7	3.91	GREEN BAY	0.3	1	68.49	0.3	1	66.98
49.1	78	35.39	59.5	11	4.11	GREENSBORO	10.9	17	[illegible]	12.1	5	9.19
41.6	58	31.01	51.5	10	4.32	GREENVILLE	7.6	15	44.01	9.5	2	4.68
50.1	78	34.69	56.5	22	8.67	HAMILTON	2.5	12	108.28	2.6	2	17.23
105.6	192	40.48	127.9	42	7.31	HARRISBURG	5.6	15	59.29	6.2	2	7.20
216.9	401	41.15	246.5	65	5.87	HARTFORD	5.8	9	34.39	6.3	1	3.53
28.8	55	42.44	29.4	12	9.09	HONOLULU	75.5	110	32.43	58.8	32	12.11
242.9	536	49.12	271.0	88	7.23	HOUSTON	53.5	119	49.53	56.4	14	5.52
78.8	133	37.55	89.1	18	4.59	HUNTINGTON	3.0	8	59.55	3.2	1	6.92
19.3	25	28.80	21.4	11	11.43	HUNTSVILLE	4.9	3	13.66	5.7	1	3.88
179.1	325	40.39	220.4	73	7.37	INDIANAPOLIS	27.5	63	51.08	29.9	4	2.97
40.0	92	51.23	43.6	7	3.57	JACKSON MICH	2.1	1	10.55	1.2	1	18.36
27.0	45	37.06	34.5	6	3.87	JACKSON MISS	16.9	13	17.11	19.5	1	1.16
85.1	206	53.88	99.7	37	8.26	JACKSONVILLE	25.8	61	35.36	30.2	6	4.42
221.5	556	55.87	252.5	76	6.70	JERSEY CITY	8.2	28	76.43	9.0	6	14.82
98.1	120	27.24	102.3	18	3.92	JOHNSTOWN	1.1	2	39.30	1.0	0	0.00
47.0	82	38.83	54.8	3	1.22	KALAMAZOO	1.3	7	122.44	1.2	1	17.83
286.8	536	41.60	347.3	96	5.51	KANSAS CITY	36.3	68	41.72	38.8	11	6.32
33.2	34	24.15	34.3	10	6.49	KENOSHA	0.2	0	0.00	0.2	0	0.00
94.4	144	33.96	111.3	18	3.60	KNOXVILLE	8.0	13	36.07	9.5	0	0.00
23.2	65	62.31	24.7	8	7.21	LAKE CHARLES	6.2	5	18.03	6.3	0	0.00
87.7	117	29.70	106.3	30	6.28	LANCASTER	1.0	1	21.85	1.0	0	0.00
90.6	106	29.28	91.1	[illegible]	5.13	LANSING	1.6	4	56.04	1.4	1	15.94
14.9	21	31.29	18.0	6	7.42	LAREDO	0.0	0	0.00	0.0	0	0.00
32.8	44	29.87	27.0	5	4.12	LAS VEGAS	2.1	4	42.20	1.8	1	12.66
14.7	19	28.83	14.1	4	5.52	LAWTON	1.5	2	29.47	1.6	0	0.00
31.4	37	26.24	37.8	7	4.13	LEXINGTON	7.0	14	44.79	7.7	2	5.76
31.4	56	39.68	35.9	4	2.49	LIMA	1.8	0	0.00	1.4	0	0.00
45.4	66	32.35	57.4	13	5.06	LINCOLN	0.6	0	0.00	0.6	0	0.00
57.3	93	36.15	66.2	17	5.72	LITTLE ROCK	15.9	15	20.94	18.3	5	6.09
56.2	89	35.26	58.8	7	2.65	LORAIN	2.7	2	16.26	2.5	0	0.00
1896.4	3388	39.77	2343.6	666	6.33	LOS ANGELES	128.1	246	42.75	135.9	42	6.89

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF BRONCHUS AND TRACHEA AND OF LUNG (I.S.C. 162-163)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
181.4	339	41.60	222.9	74	7.39	LOUISVILLE	26.0	62	53.07	29.0	6	6.15
30.7	45	32.63	34.4	5	3.23	LUBBOCK	2.3	2	19.58	1.9	0	0.00
25.6	39	33.90	32.6	9	6.15	LYNCHBURG	6.4	12	41.67	7.4	0	0.00
28.3	56	44.02	35.7	14	8.73	MACON	11.9	22	41.02	16.6	7	9.40
60.5	70	25.76	70.8	3	0.94	MADISON	0.4	0	0.00	0.3	0	0.00
60.8	118	43.19	75.7	18	5.30	MANCHESTER	0.1	0	0.00	0.1	0	0.00
101.3	214	47.07	129.4	43	7.40	MEMPHIS	61.2	74	26.93	68.3	21	6.84
317.4	683	47.90	343.4	89	5.77	MIAMI	24.5	61	55.39	25.1	2	1.78
10.5	13	27.54	10.9	3	6.11	MIDLAND	1.1	1	19.59	1.1	0	0.00
375.9	560	33.16	421.0	88	4.65	MILWAUKEE	10.4	21	46.81	9.6	3	6.95
440.9	615	31.05	527.1	103	4.35	MINNEAPOLIS	6.8	15	49.23	6.4	2	6.95
51.7	111	47.81	58.7	15	5.68	MOBILE	21.0	27	28.61	25.4	4	3.51
18.9	44	51.69	21.5	4	4.15	MONROE	8.8	9	22.84	10.2	4	8.70
24.9	61	54.54	32.2	4	2.76	MONTGOMERY	15.0	17	25.27	20.6	3	3.25
30.8	58	41.97	35.1	10	6.34	MUNCIE	1.7	6	79.33	1.6	0	0.00
40.3	72	39.81	42.5	7	3.67	MUSKEGON	2.5	4	35.35	2.1	0	0.00
87.7	166	42.15	112.2	20	3.97	NASHVILLE	21.4	44	45.80	25.8	7	6.03
528.4	996	41.96	618.0	179	6.45	NEWARK	49.1	95	43.09	56.7	19	7.46
215.5	396	40.90	248.3	64	5.74	NEW HAVEN	6.6	16	53.87	7.1	2	6.26
174.4	468	59.74	217.3	53	5.43	NEW ORLEANS	63.7	183	63.91	76.4	35	10.16
35.2	85	53.77	35.6	16	10.01	NEWPORT NEWS	15.0	22	32.68	14.0	5	7.94
3570.6	7025	43.79	4117.8	1295	7.00	NEW YORK	295.3	605	45.60	350.0	107	6.79
89.4	214	53.26	104.7	32	6.91	NORFOLK	34.6	61	39.25	38.5	12	6.93
15.2	25	36.55	14.0	6	9.51	ODESSA	0.7	0	0.00	0.7	0	0.00
28.1	32	25.36	29.9	3	2.23	OGDEN	0.8	1	29.40	0.6	1	40.01
134.3	237	39.20	158.6	54	7.58	OKLAHOMA CITY	10.9	16	32.56	17.0	6	11.10
132.6	280	47.00	152.1	36	5.27	OMAHA	6.9	14	45.08	7.2	1	3.08
83.4	150	40.02	95.2	25	5.85	ORLANDO	12.2	20	36.63	12.1	2	3.67
383.0	752	43.70	436.8	101	5.15	PATERSON	8.7	28	71.42	10.4	2	4.29
35.3	80	50.41	39.8	4	2.29	PENSACOLA	7.3	13	39.90	9.0	0	0.00
89.9	175	43.58	101.9	18	3.93	PEORIA	2.1	5	52.33	2.3	0	0.00
1228.5	2482	44.97	1487.8	406	6.20	PHILADELPHIA	170.5	403	52.62	188.9	56	6.60
176.3	276	34.85	182.9	43	5.23	PHOENIX	9.1	11	26.82	7.2	1	3.07
770.6	1451	41.91	841.5	236	6.24	PITTSBURGH	52.9	122	51.31	49.1	15	6.81
49.2	65	29.42	60.3	17	6.28	PITTSFIELD	0.5	1	48.27	0.5	0	0.00
62.0	134	48.13	77.7	21	6.02	PORTLAND MAINE	0.2	0	0.00	0.2	0	0.00
297.8	483	36.10	333.2	86	5.75	PORTLAND OREG.	6.9	9	29.22	5.2	2	8.64
250.1	481	42.81	306.7	51	3.70	PROVIDENCE	3.6	9	55.04	3.6	1	6.17
23.3	16	15.27	29.1	2	1.77	PROVO	0.1	0	0.00	0.1	0	0.00
37.0	50	30.04	38.9	9	5.15	PUEBLO	0.9	0	0.00	0.9	2	47.06
44.2	63	31.75	48.3	10	4.61	RACINE	0.7	1	- - -	0.6	0	0.00
31.1	47	33.64	38.0	7	4.10	RALEIGH	9.8	9	20.47	11.7	1	1.90
104.1	158	33.78	117.9	17	3.21	READING	1.2	1	17.86	1.2	0	0.00
27.1	38	31.25	24.9	8	7.16	RENO	0.9	1	25.20	0.6	0	0.00
87.5	184	46.83	116.4	31	5.93	RICHMOND	27.4	52	42.23	32.4	7	4.82
44.2	69	34.27	52.8	16	6.75	ROANOKE	6.2	7	24.96	5.9	2	6.42
198.8	353	39.53	237.0	69	6.48	ROCHESTER	4.0	12	67.43	4.0	0	0.00
61.9	92	33.10	67.9	19	6.22	ROCKFORD	1.5	6	90.84	1.5	2	29.12
131.4	249	42.18	131.7	40	6.76	SACRAMENTO	9.5	9	21.02	6.6	1	3.39
51.1	99	43.12	55.8	22	8.78	SAGINAW	3.4	9	59.08	2.9	0	0.00
36.5	54	32.92	45.2	7	3.45	ST. JOSEPH	1.1	1	20.03	1.3	0	0.00
576.2	1178	45.50	699.9	189	6.01	ST. LOUIS	80.4	166	45.94	89.7	33	8.19
95.4	116	27.08	107.7	14	2.89	SALT LAKE CITY	1.7	2	26.18	1.2	1	19.16
19.0	20	23.41	21.9	5	5.09	SAN ANGELO	1.0	0	0.00	1.2	0	0.00
154.8	253	36.37	187.7	56	6.64	SAN ANTONIO	11.5	34	65.64	14.0	3	4.77
252.3	363	32.03	273.0	50	4.08	SAN BERNARDINO	9.0	8	19.88	7.5	1	2.95
253.4	442	38.82	296.0	96	6.92	SAN DIEGO	8.9	8	19.96	9.1	5	13.66
828.5	1483	39.84	955.4	303	7.06	SAN FRANCISCO	83.2	119	31.82	65.2	16	5.46
152.2	232	33.93	178.3	53	6.62	SAN JOSE	5.2	7	29.96	3.9	1	5.75
48.7	71	32.48	58.5	25	9.51	SANTA BARBARA	2.0	3	34.19	1.2	0	0.00
29.3	61	46.27	37.6	16	9.46	SAVANNAH	15.7	21	29.79	19.5	3	3.42
89.8	144	35.71	110.1	23	4.65	SCRANTON	0.3	1	71.08	0.3	0	0.00
346.2	594	38.19	383.0	98	5.70	SEATTLE	15.4	27	39.06	10.2	1	2.18
48.2	121	55.90	57.2	19	7.39	SHREVEPORT	25.6	37	32.20	30.7	4	2.90
38.8	60	34.40	43.6	8	4.08	SIOUX CITY	0.5	1	42.33	0.5	0	0.00
26.2	40	33.98	29.7	11	8.76	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
70.7	107	33.69	78.5	26	7.37	SOUTH BEND	3.3	9	60.36	3.2	2	13.99
94.7	116	27.27	101.9	18	3.93	SPOKANE	1.4	2	30.78	1.1	1	20.08
50.1	93	41.33	61.7	19	6.85	SPRINGFIELD I.	2.0	4	44.62	2.3	1	9.64
42.9	82	42.56	52.6	14	5.92	SPRINGFIELD MO	0.9	4	95.76	1.0	0	0.00
38.4	68	39.37	44.9	13	6.44	SPRINGFIELD O.	3.7	8	47.83	4.3	1	5.19
173.9	303	38.79	213.4	42	4.38	SPRINGFIELD MA	2.7	2	16.47	3.1	0	0.00
53.9	100	41.32	52.4	11	4.67	STEUBENVILLE	2.3	5	47.56	2.2	0	0.00
81.9	129	35.06	77.4	11	3.17	STOCKTON	11.3	14	27.51	4.7	1	4.76
179.4	354	43.93	203.5	48	5.25	SYRACUSE	2.6	6	51.30	2.4	3	28.03
99.5	160	35.79	107.0	29	6.03	TACOMA	2.2	7	70.46	1.7	0	0.00
350.6	682	43.30	391.2	111	6.32	TAMPA	21.8	39	39.89	23.1	12	11.58
39.0	71	40.54	46.1	9	4.35	TERRE HAUTE	1.8	4	50.02	1.9	0	0.00
25.4	40	35.09	28.1	8	6.33	TEXARKANA	7.7	5	14.47	8.4	2	5.32
145.2	313	47.97	165.1	45	6.07	TOLEDO	10.6	21	43.93	10.7	5	10.36
40.0	79	43.92	49.4	13	5.86	TOPEKA	3.1	3	21.29	3.5	2	12.61
81.3	153	41.89	93.7	28	6.65	TRENTON	7.2	13	40.09	7.1	3	9.37
71.1	101	31.64	78.2	21	5.97	TUCSON	4.3	5	25.85	3.7	0	0.00
113.0	194	38.23	132.2	46	7.74	TULSA	11.2	17	33.65	12.5	1	1.78
23.0	29	28.02	25.4	4	3.50	TUSCALOOSA	7.2	7	21.76	8.4	1	2.64
21.0	49	52.03	24.1	5	4.63	TYLER	6.7	5	16.55	7.3	1	3.05
116.6	180	34.36	132.4	22	3.70	UTICA	1.0	2	43.50	0.9	0	0.00
41.5	65	34.89	47.7	14	6.54	WACO	7.4	13	39.23	8.4	3	7.96
380.0	723	42.35	487.9	141	6.43	WASHINGTON	110.3	276	55.68	123.2	39	7.04
34.8	45	28.77	39.9	9	5.02	WATERLOO	1.0	3	66.32	0.9	1	25.23
82.4	160	43.23	91.1	15	3.66	W. PALM BEACH	12.7	21	36.87	10.3	3	6.50
71.8	141	43.74	79.8	21	5.86	WHEELING	1.9	3	35.65	1.7	3	38.53
79.1	146	41.06	94.7	19	4.47	WICHITA	4.2	9	47.91	4.2	0	0.00
32.7	60	40.90	37.8	7	4.13	WICHITA FALLS	2.2	3	29.75	2.4	1	9.19
133.5	189	31.51	160.7	36	4.99	WILKES-BARRE	0.4	1	58.20	0.4	0	0.00
93.2	186	44.41	106.4	26	5.46	WILMINGTON	12.2	34	61.92	11.6	0	0.00
34.8	53	33.92	43.0	5	2.59	WINSTON-SALEM	11.3	7	13.78	14.1	0	0.00
209.5	328	34.85	250.6	45	4.00	WORCESTER	1.1	1	21.00	1.1	0	0.00
78.7	101	28.55	89.2	20	4.99	YORK	1.3	2	35.20	1.3	0	0.00
151.6	231	33.91	159.5	56	7.83	YOUNGSTOWN	12.6	24	42.33	11.3	3	5.93
32149.0	58911	40.79	37429.7	9975	5.96	TOTAL 201 SMSA	3114.8	6011	42.96	3343.5	955	6.36

ALL AGE STANDARD RATE = 22.26

TABLE I 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OTHER PARTS OF THE RESPIRATORY SYSTEM (I.S.C. 160,164)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
0.7	0	0.00	0.8	0	0.00	ABILENE	0.0	0	0.00	0.0	0	0.00
3.2	7	1.09	3.5	1	0.13	AKRON	0.2	0	0.00	0.2	1	2.33
0.2	0	0.00	0.2	0	0.00	ALBANY GA	0.1	1	6.12	0.2	0	0.00
4.8	12	1.17	9.8	1	0.08	ALBANY NY	0.1	0	0.00	0.1	0	0.00
1.2	1	0.60	1.3	1	0.37	ALBUQUERQUE	0.0	0	0.00	0.0	0	0.00
3.6	6	0.79	4.1	2	0.23	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.3	1	0.37	ALTOONA	0.0	0	0.00	0.0	0	0.00
0.7	1	0.65	0.9	1	0.59	AMARILLO	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.0	0	0.00	ANN ARBOR	0.1	0	0.00	0.1	1	7.60
0.8	0	0.00	1.0	0	0.00	ASHEVILLE	0.1	0	0.00	0.1	0	0.00
4.2	9	0.54	5.4	2	0.18	ATLANTA	1.1	4	1.74	1.6	2	0.67
1.2	7	0.70	1.4	1	0.33	ATLANTIC CITY	0.2	0	0.00	0.2	0	0.00
0.7	0	0.00	0.9	1	0.54	AUGUSTA	0.3	0	0.00	0.4	0	0.00
1.0	0	0.00	1.2	1	0.38	AUSTIN	0.2	0	0.00	0.7	0	0.00
1.6	3	0.89	1.6	3	0.90	BAKERSFIELD	0.1	0	0.00	0.1	0	0.00
8.6	21	1.15	10.3	5	0.23	BALTIMORE	1.9	7	1.75	2.0	1	0.24
0.7	4	2.61	0.8	0	0.00	BATON ROUGE	0.4	0	0.00	0.4	1	1.12
0.7	2	1.44	0.7	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
1.4	2	0.69	1.5	0	0.00	BEAUMONT	0.3	1	1.44	0.3	0	0.00
0.5	0	0.00	0.5	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
1.5	1	0.32	1.7	1	0.27	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
2.5	3	0.56	3.1	1	0.15	BIRMINGHAM	1.2	0	0.00	1.5	2	0.64
21.6	19	0.41	27.9	20	0.36	BOSTON	0.5	1	0.95	0.5	0	0.00
4.4	8	0.85	5.1	4	0.37	BRIDGEPORT	0.2	1	3.12	0.2	0	0.00
1.8	1	0.27	2.1	2	0.44	BROCKTON	0.0	0	0.00	0.0	0	0.00
0.7	2	1.33	0.8	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
8.6	12	0.67	9.7	4	0.19	BUFFALO	0.4	1	1.16	0.4	0	0.00
2.3	3	0.62	2.5	1	0.19	CANTON	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	1.1	1	0.43	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.6	2	1.49	0.7	1	0.63	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.7	1	0.64	CHARLESTON SC	0.3	0	0.00	0.4	0	0.00
1.4	0	0.00	1.5	1	0.31	CHARLESTON WVA	0.1	1	4.50	0.1	0	0.00
1.1	0	0.00	1.3	0	0.00	CHARLOTTE	0.3	1	1.63	0.4	2	2.69
1.4	3	1.00	1.7	1	0.28	CHATTANOOGA	0.3	2	3.26	0.4	1	1.33
37.5	42	0.53	42.6	26	0.29	CHICAGO	4.5	8	0.84	4.8	3	0.29
6.4	10	0.74	8.1	5	0.29	CINCINNATI	0.8	4	2.49	0.8	0	0.00
10.7	18	0.79	12.4	8	0.30	CLEVELAND	1.3	3	1.09	1.4	3	1.01
0.8	0	0.00	0.9	0	0.00	COLORADO SPNGS	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.1	0	0.00	COLUMBIA	0.3	1	1.39	0.4	0	0.00
0.7	1	0.70	0.8	1	0.59	COLUMBUS GA	0.5	1	1.75	0.4	0	0.00
3.5	6	0.80	4.4	3	0.32	COLUMBUS OHIO	0.5	1	1.02	0.5	2	1.94
1.0	5	2.39	1.1	1	0.45	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
5.3	8	0.71	6.6	4	0.29	DALLAS	0.8	1	0.59	0.9	0	0.00
1.9	2	0.50	2.1	2	0.44	DAVENPORT	0.0	0	0.00	0.0	0	0.00
3.7	9	1.14	4.3	2	0.22	DAYTON	0.4	2	2.64	0.4	0	0.00
0.8	3	1.81	0.9	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
5.4	9	0.79	4.5	1	0.07	DENVER	0.2	0	0.00	0.2	0	0.00
1.7	5	1.39	2.1	1	0.22	DES MOINES	0.1	0	0.00	0.1	0	0.00
20.7	28	0.64	21.8	13	0.28	DETROIT	2.8	5	0.84	2.9	1	0.16
0.5	1	0.91	0.7	1	0.71	DUBUQUE	0.0	0	0.00	0.0	0	0.00
2.2	2	0.43	2.2	1	0.21	DULUTH	0.0	0	0.00	0.0	0	0.00
0.4	1	1.09	0.6	0	0.00	DURHAM	0.2	0	0.00	0.2	0	0.00
1.3	1	0.37	1.5	2	0.64	EL PASO	0.0	0	0.00	0.0	0	0.00
1.7	2	0.57	1.9	0	0.00	ERIE	0.0	0	0.00	0.0	0	0.00
1.0	0	0.00	1.1	2	0.88	EUGENE	0.0	0	0.00	0.0	0	0.00
1.3	1	0.37	1.4	2	0.59	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
2.9	2	0.32	3.7	2	0.25	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.7	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
2.0	0	0.00	2.1	1	0.23	FLINT	0.1	1	3.48	0.1	0	0.00
2.5	2	0.37	2.7	2	0.35	FT. LAUDERDALE	0.2	0	0.00	0.2	0	0.00
0.4	0	0.00	0.5	1	0.86	FORT SMITH	0.0	0	0.00	0.0	0	0.00
1.4	0	0.00	1.7	2	0.57	FORT WAYNE	0.0	0	0.00	0.0	0	0.00
3.0	2	0.32	3.5	1	0.13	FORT WORTH	0.3	0	0.00	0.4	0	0.00
2.1	1	0.22	2.3	1	0.21	FRESNO	0.2	0	0.00	0.1	0	0.00
0.5	1	0.94	0.6	0	0.00	GADSDEN	0.1	0	0.00	0.1	0	0.00
0.7	3	2.14	0.7	2	1.35	GALVESTON	0.2	0	0.00	0.2	0	0.00
2.9	6	0.96	2.8	0	0.00	GARY	0.4	0	0.00	0.4	1	1.19
2.3	4	0.87	2.7	3	0.53	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.4	0	0.00	0.4	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
0.8	1	0.62	0.9	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.3	1	0.36	GREENSBORO	0.2	0	0.00	0.3	1	1.76
0.9	0	0.00	1.1	0	0.00	GREENVILLE	0.2	0	0.00	0.2	0	0.00
1.1	3	1.30	1.2	0	0.00	HAMILTON	0.1	0	0.00	0.1	0	0.00
2.2	2	0.42	2.7	5	0.86	HARRISBURG	0.1	0	0.00	0.1	0	0.00
4.5	3	0.31	5.2	3	0.27	HARTFORD	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.7	0	0.00	HONOLULU	1.7	5	1.41	1.4	0	0.00
5.2	4	0.36	5.9	4	0.32	HOUSTON	1.2	3	1.21	1.3	1	0.37
1.7	2	0.56	1.9	0	0.00	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
0.4	2	2.14	0.5	0	0.00	HUNTSVILLE	0.1	0	0.00	0.1	0	0.00
3.8	2	0.25	4.7	4	0.40	INDIANAPOLIS	0.6	0	0.00	0.6	1	0.73
0.9	2	1.11	0.9	0	0.00	JACKSON MICH	0.0	0	0.00	0.0	0	0.00
0.6	1	0.80	0.8	0	0.00	JACKSON MISS	0.4	1	1.27	0.4	0	0.00
1.9	2	0.51	2.2	2	0.43	JACKSONVILLE	0.6	1	0.86	0.6	0	0.00
4.5	9	0.95	5.2	6	0.55	JERSEY CITY	0.2	0	0.00	0.2	0	0.00
2.1	1	0.23	2.2	1	0.22	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.0	0	0.00	1.2	0	0.00	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
6.1	11	0.85	7.5	2	0.13	KANSAS CITY	0.8	1	0.62	0.8	0	0.00
0.7	1	0.68	0.7	1	0.65	KENOSHA	0.0	0	0.00	0.0	0	0.00
2.0	3	0.79	2.4	1	0.20	KNOXVILLE	0.2	0	0.00	0.2	0	0.00
0.5	1	0.90	0.6	0	0.00	LAKE CHARLES	0.1	0	0.00	0.1	0	0.00
1.9	1	0.25	2.3	0	0.00	LANCASTER	0.0	0	0.00	0.0	0	0.00
1.7	4	1.09	2.0	0	0.00	LANSING	0.0	0	0.00	0.0	0	0.00
0.3	1	1.49	0.4	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.6	1	0.80	LAS VEGAS	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	1	1.28	LAWTON	0.0	0	0.00	0.0	0	0.00
0.7	1	0.69	0.8	0	0.00	LEXINGTON	0.1	0	0.00	0.2	0	0.00
0.7	2	1.41	0.8	0	0.00	LIMA	0.0	0	0.00	0.0	0	0.00
1.0	2	0.95	1.3	1	0.38	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.2	2	0.77	1.4	1	0.33	LITTLE ROCK	0.3	0	0.00	0.4	0	0.00
1.2	0	0.00	1.3	1	0.36	LORAIN	0.1	0	0.00	0.1	0	0.00
40.2	59	0.69	50.2	32	0.30	LOS ANGELES	2.9	4	0.66	3.0	1	0.16

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OTHER PARTS OF THE RESPIRATORY SYSTEM (I.S.C. 160,164)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
3.9	10	1.21	4.8	3	0.29	LOUISVILLE	0.5	0	0.00	0.6	1	0.77
0.7	1	0.69	0.8	0	0.00	LUBBOCK	0.1	0	0.00	0.0	0	0.00
0.6	2	1.71	0.7	0	0.00	LYNCHBURG	0.1	0	0.00	0.2	0	0.00
0.6	0	0.00	0.8	0	0.00	MACON	0.3	0	0.00	0.4	0	0.00
1.3	3	1.07	1.5	2	0.61	MADISON	0.0	0	0.00	0.0	0	0.00
1.3	1	0.37	1.6	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
2.2	2	0.43	2.8	4	0.67	MEMPHIS	1.3	2	0.72	1.5	0	0.00
6.5	8	0.58	7.0	8	0.56	MIAMI	0.6	3	2.55	0.6	0	0.00
0.2	0	0.00	0.3	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
7.8	12	0.73	8.9	4	0.21	MILWAUKEE	0.2	0	0.00	0.2	0	0.00
9.3	16	0.81	11.3	7	0.29	MINNEAPOLIS	0.1	0	0.00	0.1	0	0.00
1.1	2	0.84	1.3	0	0.00	MOBILE	0.5	0	0.00	0.6	1	0.84
0.4	2	2.31	0.5	0	0.00	MONROE	0.2	0	0.00	0.2	0	0.00
0.5	2	1.72	0.7	0	0.00	MONTGOMERY	0.3	1	1.45	0.4	0	0.00
0.7	0	0.00	0.8	0	0.00	MUNCIE	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	0.9	0	0.00	MUSKEGON	0.1	0	0.00	0.1	0	0.00
1.9	1	0.25	2.4	3	0.58	NASHVILLE	0.5	0	0.00	0.6	2	1.71
10.8	26	1.13	12.9	5	0.18	NEWARK	1.1	1	0.44	1.3	0	0.00
4.5	7	0.73	5.3	2	0.18	NEW HAVEN	0.2	0	0.00	0.2	0	0.00
3.6	6	0.78	4.6	4	0.41	NEW ORLEANS	1.4	0	0.00	1.7	4	1.14
0.8	4	2.37	0.8	0	0.00	NEWPORT NEWS	0.3	2	2.91	0.3	2	3.01
72.3	86	0.56	84.4	66	0.37	NEW YORK	6.3	14	1.04	7.6	10	0.62
2.0	4	0.92	2.3	1	0.20	NORFOLK	0.8	0	0.00	0.8	0	0.00
0.3	0	0.00	0.3	1	1.42	ODESSA	0.0	0	0.00	0.0	0	0.00
0.6	1	0.78	0.7	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
2.9	2	0.33	3.4	3	0.41	OKLAHOMA CITY	0.2	0	0.00	0.3	0	0.00
2.8	8	1.51	3.3	2	0.29	OMAHA	0.2	0	0.00	0.2	0	0.00
1.8	2	0.52	2.0	0	0.00	ORLANDO	0.3	1	1.76	0.3	0	0.00
7.9	6	0.36	9.2	9	0.46	PATERSON	0.2	1	2.43	0.2	0	0.00
0.8	0	0.00	0.9	2	1.08	PENSACOLA	0.2	0	0.00	0.2	0	0.00
1.9	3	0.74	2.2	1	0.22	PEORIA	0.0	0	0.00	0.1	0	0.00
25.6	37	0.69	30.7	21	0.32	PHILADELPHIA	3.6	9	1.17	4.1	4	0.46
3.8	3	0.38	3.9	2	0.26	PHOENIX	0.2	0	0.00	0.2	0	0.00
16.1	20	0.59	17.8	17	0.45	PITTSBURGH	1.1	2	0.87	1.0	1	0.45
1.0	2	0.91	1.3	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
1.3	2	0.72	1.7	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
6.2	8	0.61	7.1	3	0.20	PORTLAND OREG.	0.1	0	0.00	0.1	0	0.00
5.2	3	0.27	6.4	5	0.37	PROVIDENCE	0.1	1	5.88	0.1	0	0.00
0.5	0	0.00	0.6	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
0.8	1	0.59	0.9	0	0.00	PUEBLO	0.0	1	23.45	0.0	0	0.00
0.9	2	1.01	1.0	2	0.92	RACINE	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.8	0	0.00	RALEIGH	0.2	0	0.00	0.3	0	0.00
2.1	2	0.44	2.5	0	0.00	READING	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.5	1	0.88	RENO	0.0	0	0.00	0.0	1	32.79
1.9	4	1.01	2.5	1	0.19	RICHMOND	0.6	2	1.61	0.7	0	0.00
0.9	1	0.51	1.1	2	0.86	ROANOKE	0.1	0	0.00	0.1	0	0.00
4.1	6	0.69	5.0	5	0.47	ROCHESTER	0.1	0	0.00	0.1	0	0.00
1.3	0	0.00	1.5	1	0.32	ROCKFORD	0.0	0	0.00	0.0	0	0.00
2.8	4	0.67	2.9	4	0.65	SACRAMENTO	0.2	0	0.00	0.1	0	0.00
1.1	0	0.00	1.2	1	0.39	SAGINAW	0.1	0	0.00	0.1	0	0.00
0.8	0	0.00	1.0	1	0.49	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
12.0	20	0.79	14.8	8	0.25	ST. LOUIS	1.7	2	0.56	1.9	1	0.24
2.1	4	0.91	2.4	1	0.20	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
3.4	8	1.25	4.1	5	0.58	SAN ANTONIO	0.2	1	1.89	0.3	0	0.00
5.4	8	0.79	5.8	3	0.24	SAN BERNARDINO	0.2	0	0.00	0.2	0	0.00
5.6	8	0.75	6.4	5	0.37	SAN DIEGO	0.4	1	2.15	0.2	0	0.00
17.3	29	0.76	20.2	15	0.35	SAN FRANCISCO	1.8	3	0.79	1.5	0	0.00
3.4	5	0.70	4.0	2	0.24	SAN JOSE	0.1	0	0.00	0.1	0	0.00
1.1	1	0.45	1.3	1	0.37	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.6	2	1.47	0.8	0	0.00	SAVANNAH	0.3	0	0.00	0.4	1	1.13
1.8	3	0.77	2.3	2	0.42	SCRANTON	0.0	0	0.00	0.0	0	0.00
7.4	19	0.96	8.2	5	0.29	SEATTLE	0.3	2	2.84	0.2	0	0.00
1.0	0	0.00	1.2	0	0.00	SHREVEPORT	0.5	0	0.00	0.7	0	0.00
0.8	2	1.15	0.9	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.6	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
1.5	2	0.63	1.7	0	0.00	SOUTH BEND	0.1	0	0.00	0.1	0	0.00
2.0	3	0.69	2.2	0	0.00	SPOKANE	0.0	0	0.00	0.0	0	0.00
1.0	1	0.45	1.3	3	1.08	SPRINGFIELD I.	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.1	1	0.42	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
0.8	2	1.14	1.0	3	1.44	SPRINGFIELD O.	0.1	0	0.00	0.0	0	0.00
3.6	2	0.26	4.5	2	0.21	SPRINGFIELD MA	0.1	0	0.00	0.1	0	0.00
1.1	2	0.83	1.1	2	0.84	STEUBENVILLE	0.0	1	9.94	0.1	0	0.00
1.7	0	0.00	1.7	0	0.00	STOCKTON	0.2	0	0.00	0.0	0	0.00
3.8	8	0.99	4.4	5	0.54	SYRACUSE	0.1	1	7.83	0.1	0	0.00
2.1	2	0.46	2.3	2	0.41	TACOMA	0.1	0	0.00	0.1	0	0.00
7.2	5	0.33	7.9	1	0.06	TAMPA	0.5	0	0.00	0.0	0	0.00
0.8	0	0.00	1.0	3	1.65	TERRE HAUTE	0.0	0	0.00	0.5	0	0.00
0.5	1	0.89	0.6	0	0.00	TEXARKANA	0.2	2	5.87	0.2	0	0.00
3.0	7	1.10	3.5	1	0.16	TOLEDO	0.2	2	4.15	0.2	0	0.00
0.9	1	0.56	1.1	2	0.88	TOPEKA	0.1	0	0.00	0.1	0	0.00
1.7	3	0.84	2.0	0	0.00	TRENTON	0.2	0	0.00	0.2	1	2.93
1.5	2	0.63	1.7	0	0.00	TUCSON	0.1	0	0.00	0.1	0	0.00
2.4	5	0.98	2.8	3	0.50	TULSA	0.2	0	0.00	0.3	1	1.76
0.5	0	0.00	0.6	0	0.00	TUSCALOOSA	0.2	0	0.00	0.2	0	0.00
0.4	0	0.00	0.5	0	0.00	TYLER	0.1	0	0.00	0.2	0	0.00
2.5	2	0.38	2.8	0	0.00	UTICA	0.0	0	0.00	0.0	0	0.00
0.9	3	1.61	1.0	0	0.00	WACO	0.2	0	0.00	0.2	0	0.00
8.2	9	0.52	10.6	4	0.18	WASHINGTON	2.4	2	0.39	2.7	1	0.17
0.7	3	1.89	0.9	0	0.00	WATERLOO	0.0	0	0.00	0.0	0	0.00
1.7	3	0.85	1.8	1	0.26	W. PALM BEACH	0.3	0	0.00	0.2	0	0.00
1.5	0	0.00	1.7	1	0.28	WHEELING	0.0	0	0.00	0.0	0	0.00
1.7	0	0.00	2.1	0	0.00	WICHITA	0.1	0	0.00	0.1	0	0.00
0.7	3	1.97	0.8	0	0.00	WICHITA FALLS	0.0	0	0.00	0.1	0	0.00
2.7	6	1.05	3.3	0	0.00	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
2.0	2	0.47	2.3	1	0.21	WILMINGTON	0.3	2	3.63	0.3	0	0.00
0.8	0	0.00	0.9	0	0.00	WINSTON-SALEM	0.2	0	0.00	0.3	0	0.00
4.4	7	0.75	5.3	6	0.53	WORCESTER	0.0	0	0.00	0.0	0	0.00
1.7	3	0.85	1.9	0	0.00	YORK	0.0	0	0.00	0.0	0	0.00
3.2	6	0.88	3.4	2	0.28	YOUNGSTOWN	0.3	0	0.00	0.2	0	0.00
674.6	930	0.65	789.8	488	0.30	TOTAL 201 SMSA	67.2	121	0.85	73.3	56	0.36

ALL AGE STANDARD RATE = 0.47

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF BREAST (I.S.C. 170)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
20.2	1	0.71	23.2	30	18.62	ABILENE	0.8	0	0.00	0.9	2	31.96
96.4	1	0.15	106.7	188	25.38	AKRON	6.2	1	2.34	6.2	10	23.17
6.1	0	0.00	6.8	11	23.30	ALBANY GA	3.4	0	0.00	4.9	9	26.55
147.3	1	0.10	177.1	329	26.75	ALBANY NY	2.7	0	0.00	2.7	6	31.70
35.8	0	0.00	39.0	65	24.03	ALBUQUERQUE	0.9	0	0.00	0.9	4	65.15
110.4	4	0.52	126.5	235	26.76	ALLENTOWN	0.7	0	0.00	0.7	0	0.00
32.6	0	0.00	38.6	83	30.95	ALTOONA	0.2	0	0.00	0.3	0	0.00
21.9	0	0.00	24.4	25	14.73	AMARILLO	1.0	1	13.97	1.1	1	13.41
25.8	0	0.00	30.6	51	23.99	ANN ARBOR	2.0	0	0.00	1.9	7	53.18
25.0	1	0.58	29.5	40	19.51	ASHEVILLE	3.0	0	0.00	3.6	7	28.35
131.2	3	0.33	164.0	280	24.60	ATLANTA	33.2	0	0.00	43.4	83	27.55
35.7	2	0.81	43.3	68	22.63	ATLANTIC CITY	6.3	0	0.00	7.2	6	11.93
22.8	0	0.00	26.9	36	19.30	AUGUSTA	9.5	1	1.52	12.4	18	20.90
31.5	0	0.00	37.6	58	22.22	AUSTIN	4.7	0	0.00	6.1	7	16.52
49.2	0	0.00	48.5	80	23.78	BAKERSFIELD	4.2	0	0.00	2.8	6	30.53
266.6	6	0.32	315.7	615	28.06	BALTIMORE	58.5	2	0.49	61.4	136	31.91
22.5	0	0.00	25.9	42	23.37	BATON ROUGE	10.6	0	0.00	12.6	17	19.46
20.0	0	0.00	22.0	35	22.92	BAY CITY	0.1	0	0.00	0.1	0	0.00
42.6	0	0.00	45.6	60	18.94	BEAUMONT	10.0	0	0.00	10.3	19	26.56
14.4	0	0.00	14.8	31	30.10	BILLINGS	0.1	0	0.00	0.1	0	0.00
45.5	0	0.00	53.1	98	26.57	BINGHAMTON	0.3	0	0.00	0.3	0	0.00
78.3	1	0.18	94.3	159	24.28	BIRMINGHAM	37.6	1	0.38	45.1	72	22.98
657.1	13	0.28	843.2	1660	28.36	BOSTON	15.0	1	0.96	16.1	29	25.96
136.5	6	0.63	157.9	307	28.01	BRIDGEPORT	4.7	0	0.00	5.4	3	8.05
54.0	0	0.00	64.4	137	30.64	BROCKTON	1.1	0	0.00	0.8	6	107.32
21.1	1	0.68	23.0	26	16.29	BROWNSVILLE	0.2	0	0.00	0.2	0	0.00
259.6	8	0.44	294.6	629	30.76	BUFFALO	12.6	0	0.00	11.9	19	22.91
69.0	3	0.63	76.3	121	27.84	CANTON	2.9	0	0.00	2.9	1	5.01
27.4	0	0.00	32.5	50	22.17	CEDAR RAPIDS	0.2	0	0.00	0.3	1	55.54
18.1	0	0.00	21.9	37	24.31	CHAMPAIGN	0.9	0	0.00	1.0	0	0.00
19.0	0	0.00	22.6	42	26.75	CHARLESTON SC	9.0	0	0.00	12.0	17	20.36
43.1	0	0.00	47.4	56	17.03	CHARLESTON WVA	3.1	0	0.00	3.5	8	33.37
33.0	0	0.00	41.6	52	18.25	CHARLOTTE	8.9	0	0.00	10.7	18	24.18
43.4	1	0.33	52.1	72	19.92	CHATTANOOGA	8.9	1	1.63	10.9	20	26.36
1156.6	16	0.20	1305.6	2768	30.54	CHICAGO	138.1	3	0.31	148.5	310	30.06
194.1	7	0.52	244.6	468	27.56	CINCINNATI	23.3	0	0.00	25.4	39	22.13
330.2	2	0.09	379.7	763	28.95	CLEVELAND	40.6	0	0.00	43.0	78	26.11
23.1	0	0.00	28.5	46	23.22	COLORADO SPRGS	0.6	0	0.00	0.7	1	20.98
28.4	0	0.00	34.6	49	20.42	COLUMBIA	10.1	0	0.00	12.0	13	15.67
20.1	2	1.44	24.3	31	18.36	COLUMBUS GA	8.0	1	1.79	11.1	10	12.99
107.8	2	0.27	131.8	273	29.84	COLUMBUS OHIO	14.1	0	0.00	14.7	20	19.58
30.4	0	0.00	32.3	39	17.37	CORPUS CHRISTI	1.6	0	0.00	1.8	1	8.09
165.6	4	0.35	200.5	323	23.20	DALLAS	24.3	0	0.00	26.3	48	26.27
57.5	1	0.25	64.8	109	24.24	DAVENPORT	1.0	0	0.00	0.9	2	30.36
114.2	3	0.38	130.6	225	24.82	DAYTON	11.0	0	0.00	11.2	18	23.16
23.8	0	0.00	28.7	66	33.18	DECATUR	0.9	0	0.00	0.9	1	15.22
164.6	3	0.26	195.3	359	26.48	DENVER	6.0	0	0.00	6.3	11	25.00
51.3	0	0.00	63.4	119	27.02	DES MOINES	2.0	0	0.00	2.2	2	12.87
637.8	9	0.20	669.7	1282	27.57	DETROIT	88.3	1	0.16	89.7	163	26.16
15.5	1	0.93	19.8	51	37.06	DUBUQUE	0.0	0	0.00	0.0	0	0.00
66.7	2	0.43	66.8	114	24.57	DULUTH	0.3	0	0.00	0.3	1	53.72
13.3	1	1.09	17.0	24	20.39	DURHAM	5.5	0	0.00	5.8	8	16.92
38.1	0	0.00	43.9	61	20.03	EL PASO	1.1	0	0.00	0.9	1	15.53
50.9	0	0.00	57.5	101	25.31	ERIE	0.9	0	0.00	0.9	2	32.63
31.6	0	0.00	32.5	65	28.79	EUGENE	0.1	0	0.00	0.1	0	0.00
39.4	1	0.37	48.0	81	24.29	EVANSVILLE	2.9	0	0.00	3.2	10	44.37
89.6	2	0.32	113.4	247	31.39	FALL RIVER	1.0	0	0.00	1.0	0	0.00
20.4	0	0.00	21.4	37	24.96	FARGO	0.0	0	0.00	0.0	0	0.00
60.0	2	0.48	63.8	99	22.36	FLINT	4.2	0	0.00	4.1	3	10.62
75.5	0	0.00	81.0	113	20.10	FT. LAUDERDALE	6.1	0	0.00	6.0	8	19.08
13.7	0	0.00	16.6	12	10.42	FORT SMITH	0.9	0	0.00	1.2	2	24.48
42.6	2	0.68	50.5	103	29.39	FORT WAYNE	1.4	0	0.00	1.5	1	9.83
92.0	1	0.16	107.1	132	17.75	FORT WORTH	10.2	1	1.42	11.3	21	26.80
65.4	0	0.00	68.3	116	24.48	FRESNO	6.0	0	0.00	4.3	4	13.52
15.6	1	0.93	17.7	26	21.11	GADSDEN	2.3	0	0.00	2.7	5	26.62
20.7	0	0.00	21.7	32	21.25	GALVESTON	5.2	0	0.00	5.3	7	19.00
90.8	3	0.48	87.2	152	25.12	GARY	12.4	0	0.00	12.1	22	26.18
69.1	1	0.21	80.9	147	26.18	GRAND RAPIDS	2.1	0	0.00	2.2	3	20.01
13.5	0	0.00	13.1	25	27.47	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
22.9	0	0.00	25.8	43	24.01	GREEN BAY	0.2	0	0.00	0.2	1	63.58
32.8	0	0.00	39.5	50	18.23	GREENSBORO	7.3	1	1.98	8.2	22	38.70
28.1	0	0.00	34.1	56	23.63	GREENVILLE	5.1	0	0.00	6.3	10	22.84
33.2	0	0.00	37.5	80	30.75	HAMILTON	1.6	0	0.00	1.7	2	16.75
68.4	0	0.00	83.2	150	25.98	HARRISBURG	3.7	0	0.00	4.1	4	13.97
139.9	5	0.51	159.9	289	26.03	HARTFORD	4.2	0	0.00	4.4	7	23.10
21.3	0	0.00	21.0	37	25.42	HONOLULU	52.1	1	0.28	41.1	30	10.50
164.9	5	0.44	183.3	283	22.24	HOUSTON	36.1	2	0.80	38.7	71	26.41
51.2	0	0.00	57.9	76	18.90	HUNTINGTON	1.9	0	0.00	2.0	4	28.59
13.6	0	0.00	14.8	16	15.61	HUNTSVILLE	3.2	0	0.00	3.7	2	7.70
116.7	4	0.49	143.2	238	23.95	INDIANAPOLIS	17.9	1	0.81	19.8	36	26.22
26.0	1	0.55	28.5	47	23.74	JACKSON MICH	1.6	0	0.00	0.8	2	35.12
18.4	1	0.78	23.2	38	23.56	JACKSON MISS	11.0	0	0.00	13.0	12	13.30
57.3	2	0.50	66.8	108	23.29	JACKSONVILLE	17.0	0	0.00	20.0	30	21.63
137.5	4	0.42	158.1	342	31.15	JERSEY CITY	5.5	0	0.00	6.2	12	28.04
62.9	0	0.00	66.1	123	26.81	JOHNSTOWN	0.7	0	0.00	0.7	0	0.00
30.7	0	0.00	35.8	73	29.37	KALAMAZOO	0.9	0	0.00	0.9	3	49.84
186.7	0	0.00	226.4	352	22.39	KANSAS CITY	23.1	0	0.00	25.0	41	23.61
20.9	1	0.69	21.9	36	23.69	KENOSHA	0.1	0	0.00	0.1	0	0.00
62.4	0	0.00	73.4	96	18.84	KNOXVILLE	5.2	0	0.00	6.2	9	20.92
16.2	0	0.00	17.1	28	23.56	LAKE CHARLES	4.1	0	0.00	4.2	2	6.80
57.1	0	0.00	69.8	100	20.64	LANCASTER	0.7	0	0.00	0.6	0	0.00
52.6	2	0.55	59.9	106	25.49	LANSING	1.1	0	0.00	1.0	0	0.00
9.6	0	0.00	11.8	11	13.48	LAREDO	0.0	0	0.00	0.0	0	0.00
21.8	1	0.66	18.8	24	18.43	LAS VEGAS	1.5	0	0.00	1.2	2	23.23
10.4	0	0.00	11.0	15	19.56	LAWTON	1.1	0	0.00	1.1	2	25.64
20.8	0	0.00	24.9	41	23.71	LEXINGTON	4.4	0	0.00	4.9	3	8.81
20.4	0	0.00	23.2	46	28.61	LIMA	1.1	0	0.00	1.0	0	0.00
29.5	0	0.00	37.1	50	19.41	LINCOLN	0.4	0	0.00	0.4	2	74.87
37.5	0	0.00	43.5	56	18.53	LITTLE ROCK	10.0	1	1.43	11.6	15	18.55
37.4	1	0.38	39.2	69	25.36	LORAIN	1.9	1	7.73	1.7	2	16.63
1242.4	20	0.23	1526.8	2812	26.53	LOS ANGELES	89.2	0	0.00	93.3	150	23.16

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100.000

MALIGNANT NEOPLASM OF BREAST (I.S.C. 170)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
119.2	5	0.60	146.6	241	23.68	LOUISVILLE	16.6	0	0.00	19.7	40	30.77
20.8	0	0.00	23.1	24	14.94	LUBBOCK	1.6	0	0.00	1.4	2	20.64
16.9	3	2.55	21.3	31	20.96	LYNCHBURG	4.2	0	0.00	4.8	8	23.96
19.4	1	0.74	23.9	28	16.90	MACON	7.8	0	0.00	10.9	19	25.22
39.3	2	0.73	46.1	69	21.57	MADISON	0.3	0	0.00	0.2	1	59.26
38.6	3	1.12	48.3	91	27.13	MANCHESTER	0.1	0	0.00	0.0	0	0.00
67.6	0	0.00	85.9	117	19.61	MEMPHIS	39.2	1	0.37	44.6	66	21.33
197.6	2	0.15	214.6	334	22.42	MIAMI	17.3	0	0.00	17.8	24	19.40
7.7	0	0.00	8.0	9	16.20	MIDLAND	0.8	0	0.00	0.8	0	0.00
238.2	4	0.24	269.8	558	29.79	MILWAUKEE	7.4	0	0.00	6.9	16	33.42
281.8	7	0.36	338.1	622	26.50	MINNEAPOLIS	4.5	0	0.00	4.3	10	33.56
34.9	1	0.41	39.8	58	21.02	MOBILE	14.1	0	0.00	17.0	36	30.42
12.5	0	0.00	14.1	25	25.53	MONROE	5.6	1	2.56	6.6	8	17.41
17.0	2	1.70	21.6	35	23.38	MONTGOMERY	9.7	0	0.00	13.3	20	21.60
20.2	1	0.71	23.1	33	20.54	MUNCIE	1.1	0	0.00	1.1	1	13.21
26.1	1	0.55	27.8	52	26.92	MUSKEGON	1.8	0	0.00	1.6	3	27.80
58.4	1	0.25	74.1	116	22.54	NASHVILLE	13.9	0	0.00	16.8	38	32.62
336.4	8	0.34	398.0	884	32.00	NEWARK	33.2	5	2.17	38.7	73	27.20
138.5	5	0.52	160.6	313	28.08	NEW HAVEN	4.6	0	0.00	5.0	7	20.33
113.4	6	0.76	141.1	265	27.05	NEW ORLEANS	41.2	1	0.35	50.3	97	27.76
24.5	0	0.00	24.8	35	20.34	NEWPORT NEWS	9.9	0	0.00	9.6	25	37.68
2224.6	53	0.34	2589.0	5671	31.55	NEW YORK	198.6	5	0.36	240.2	454	27.23
61.2	2	0.47	70.4	108	22.08	NORFOLK	23.3	4	2.48	25.8	30	16.74
11.1	0	0.00	10.4	17	23.61	ODESSA	0.5	0	0.00	0.5	0	0.00
18.4	1	0.78	19.6	21	15.41	OGDEN	0.5	0	0.00	0.4	0	0.00
87.9	1	0.16	103.9	152	21.08	OKLAHOMA CITY	7.3	0	0.00	8.0	16	28.73
85.0	1	0.17	98.0	166	24.60	OMAHA	4.5	0	0.00	4.8	15	44.72
54.0	2	0.53	61.1	106	25.00	ORLANDO	8.2	0	0.00	8.2	8	14.08
248.6	3	0.17	284.0	605	30.68	PATERSON	6.1	0	0.00	7.2	19	38.08
24.1	0	0.00	26.5	30	16.32	PENSACOLA	5.0	0	0.00	6.1	11	25.98
58.2	0	0.00	66.4	111	24.09	PEORIA	1.5	0	0.00	1.5	4	37.18
786.6	23	0.42	936.4	1867	28.72	PHILADELPHIA	111.9	2	0.26	126.3	231	26.35
115.1	1	0.13	119.8	179	21.53	PHOENIX	5.9	0	0.00	4.9	10	29.23
495.2	8	0.23	546.2	1010	26.64	PITTSBURGH	32.9	1	0.44	31.9	55	24.83
31.5	1	0.46	39.1	74	27.28	PITTSFIELD	0.3	0	0.00	0.3	1	43.70
39.9	1	0.36	50.5	94	26.83	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
189.3	6	0.46	214.0	362	26.37	PORTLAND OREG.	4.6	0	0.00	3.6	7	28.25
158.9	3	0.27	195.9	391	28.76	PROVIDENCE	2.4	1	6.12	2.4	5	29.60
15.5	0	0.00	16.7	29	25.01	PROVO	0.1	0	0.00	0.0	0	0.00
24.2	0	0.00	25.9	32	17.83	PUEBLO	0.6	0	0.00	0.6	0	0.00
28.2	1	0.51	31.0	56	26.00	RACINE	0.5	0	0.00	0.5	0	0.00
20.9	1	0.69	25.1	41	23.50	RALEIGH	6.5	0	0.00	7.7	15	27.92
66.1	2	0.44	75.2	152	29.13	READING	0.8	0	0.00	0.8	1	17.56
17.7	0	0.00	16.7	21	18.11	RENO	0.6	0	0.00	0.4	0	0.00
57.9	1	0.25	76.0	149	28.26	RICHMOND	18.1	2	1.59	21.2	45	30.61
28.5	2	1.01	34.3	46	19.34	ROANOKE	3.9	2	7.30	4.4	13	42.62
126.3	1	0.11	152.5	302	28.53	ROCHESTER	2.8	0	0.00	2.8	8	40.48
39.9	1	0.36	44.3	100	32.52	ROCKFORD	1.0	0	0.00	1.1	2	26.20
87.4	1	0.16	98.3	156	25.45	SACRAMENTO	6.6	0	0.00	4.5	8	25.64
33.2	0	0.00	36.6	67	26.41	SAGINAW	2.4	0	0.00	2.1	4	27.31
23.0	1	0.63	28.6	52	26.17	ST. JOSEPH	0.7	0	0.00	0.8	2	33.89
369.7	4	0.16	450.5	832	26.60	ST. LOUIS	51.4	1	0.28	59.0	95	23.20
62.6	0	0.00	71.0	111	22.51	SALT LAKE CITY	1.1	0	0.00	0.7	0	0.00
12.2	0	0.00	14.1	14	14.28	SAN ANGELO	0.6	0	0.00	0.7	1	19.23
101.9	0	0.00	123.4	190	22.17	SAN ANTONIO	7.5	0	0.00	9.3	18	27.77
162.2	1	0.09	175.4	297	24.40	SAN BERNARDINO	6.0	0	0.00	5.2	7	19.49
169.3	1	0.09	196.0	359	26.39	SAN DIEGO	6.4	0	0.00	5.9	12	29.39
533.7	14	0.38	619.7	1168	27.15	SAN FRANCISCO	56.7	1	0.25	46.6	61	18.87
103.5	3	0.42	120.5	210	25.10	SAN JOSE	3.6	0	0.00	2.7	1	5.43
31.8	0	0.00	38.0	61	23.15	SANTA BARBARA	1.3	0	0.00	0.8	0	0.00
19.8	0	0.00	24.8	29	16.82	SAVANNAH	10.1	0	0.00	12.8	18	20.28
56.1	1	0.26	69.0	139	29.02	SCRANTON	0.2	0	0.00	0.2	0	0.00
225.5	4	0.26	249.3	476	27.50	SEATTLE	10.4	0	0.00	7.1	7	14.16
32.1	1	0.45	37.8	54	20.56	SHREVEPORT	16.2	0	0.00	19.8	38	27.69
24.4	0	0.00	27.5	43	22.49	SIOUX CITY	0.3	0	0.00	0.3	0	0.00
16.9	0	0.00	18.9	35	26.61	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
45.6	1	0.32	50.9	92	26.05	SOUTH BEND	2.2	0	0.00	2.1	4	26.92
61.6	2	0.47	66.4	96	20.83	SPOKANE	1.0	0	0.00	0.7	0	0.00
32.0	2	0.90	39.6	84	30.56	SPRINGFIELD I.	1.3	0	0.00	1.5	2	19.13
27.6	0	0.00	33.9	55	23.37	SPRINGFIELD MO	0.6	0	0.00	0.6	1	22.85
25.3	0	0.00	29.7	52	25.26	SPRINGFIELD O.	2.4	0	0.00	2.8	8	41.00
111.2	1	0.13	136.3	220	23.25	SPRINGFIELD MA	1.9	0	0.00	2.1	5	33.82
34.7	0	0.00	34.6	54	22.48	STEUBENVILLE	1.4	0	0.00	1.4	2	21.16
52.4	0	0.00	50.1	97	27.88	STOCKTON	7.1	0	0.00	3.1	5	22.89
115.0	1	0.13	132.4	277	30.15	SYRACUSE	1.8	0	0.00	1.7	0	0.00
64.6	0	0.00	69.5	122	25.30	TACOMA	1.7	0	0.00	1.3	2	22.70
210.1	1	0.07	234.6	329	20.20	TAMPA	14.3	0	0.00	15.4	29	27.17
24.7	0	0.00	29.3	56	27.50	TERRE HAUTE	1.1	0	0.00	1.2	2	23.93
16.2	0	0.00	18.1	31	24.64	TEXARKANA	4.8	0	0.00	5.3	2	5.44
91.7	3	0.47	105.7	176	23.99	TOLEDO	7.0	0	0.00	7.2	14	27.94
26.0	1	0.55	32.1	53	23.79	TOPEKA	2.0	0	0.00	2.2	1	6.53
52.0	1	0.28	60.1	106	25.40	TRENTON	5.0	0	0.00	4.9	7	20.44
45.5	2	0.63	50.4	72	20.58	TUCSON	2.8	0	0.00	2.5	0	0.00
74.0	1	0.19	86.2	144	24.05	TULSA	7.1	0	0.00	8.1	12	21.24
15.0	0	0.00	16.5	21	18.29	TUSCALOOSA	4.7	0	0.00	5.5	11	28.70
13.5	0	0.00	15.6	17	15.74	TYLER	4.3	1	3.37	4.7	4	12.24
74.9	2	0.38	85.9	147	24.65	UTICA	0.7	0	0.00	0.6	0	0.00
26.6	1	0.54	30.6	45	21.16	WACO	4.7	0	0.00	5.4	4	10.70
258.2	3	0.17	328.0	644	28.29	WASHINGTON	76.2	1	0.19	85.4	177	29.85
22.7	0	0.00	26.2	51	28.03	WATERLOO	0.7	0	0.00	0.6	1	23.15
49.6	3	0.87	55.4	96	24.96	W. PALM BEACH	8.6	0	0.00	7.1	10	20.39
45.8	2	0.63	51.6	90	25.13	WHEELING	1.2	0	0.00	1.1	2	26.31
53.8	2	0.54	63.5	91	20.66	WICHITA	2.9	0	0.00	2.9	3	14.78
21.4	0	0.00	24.4	33	19.47	WICHITA FALLS	1.4	0	0.00	1.6	1	9.25
83.2	2	0.35	100.9	170	24.27	WILKES-BARRE	0.2	0	0.00	0.2	0	0.00
61.6	2	0.47	70.4	134	27.43	WILMINGTON	8.0	0	0.00	7.8	15	27.75
23.3	0	0.00	28.5	24	12.14	WINSTON-SALEM	7.2	1	2.01	9.1	17	26.88
133.7	0	0.00	161.3	292	26.07	WORCESTER	0.7	0	0.00	0.7	0	0.00
50.8	2	0.57	57.7	100	24.98	YORK	0.8	0	0.00	0.8	2	34.44
97.9	3	0.44	103.7	192	26.67	YOUNGSTOWN	8.1	0	0.00	7.4	9	17.45
20696.4	401	0.28	24066.3	44745	26.78	TOTAL 201 SMSA	2071.[illegible]	51	0.35	2250.3	3891	24.91

ALL AGE STANDARD RATE = 14.41

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF CERVIX UTERI (I.S.C. 171)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
6.6	0	0.00	7.4	16	10.08	ABILENE	0.3	0	0.00	0.3	2	31.30
31.7	0	0.00	34.4	65	8.81	AKRON	2.1	0	0.00	2.2	10	21.67
2.2	0	0.00	2.4	8	15.80	ALBANY GA	1.1	0	0.00	1.6	9	26.68
47.0	0	0.00	54.9	108	9.16	ALBANY NY	0.9	0	0.00	0.9	0	0.00
12.5	0	0.00	13.3	23	8.05	ALBUQUERQUE	0.3	0	0.00	0.3	1	14.61
35.7	0	0.00	39.9	75	8.76	ALLENTOWN	0.2	0	0.00	0.2	2	38.95
10.2	0	0.00	11.9	26	10.19	ALTOONA	0.1	0	0.00	0.1	1	54.13
7.5	0	0.00	9.1	14	8.05	AMARILLO	0.4	0	0.00	0.4	1	12.41
8.6	0	0.00	9.7	22	10.53	ANN ARBOR	0.7	0	0.00	0.7	2	14.26
8.0	0	0.00	9.3	24	12.06	ASHEVILLE	1.0	0	0.00	1.1	3	12.38
44.8	0	0.00	53.4	109	9.52	ATLANTA	11.2	0	0.00	14.4	79	25.51
11.1	0	0.00	13.2	14	4.95	ATLANTIC CITY	2.0	0	0.00	2.3	7	14.22
7.9	0	0.00	8.9	26	13.65	AUGUSTA	3.1	0	0.00	4.0	17	19.71
10.4	0	0.00	11.9	21	8.20	AUSTIN	1.5	0	0.00	1.9	13	31.49
16.5	0	0.00	16.1	28	8.11	BAKERSFIELD	1.4	0	0.00	1.0	2	9.64
88.8	0	0.00	101.0	190	8.76	BALTIMORE	20.2	0	0.00	20.9	98	21.82
7.9	0	0.00	8.8	14	7.46	BATON ROUGE	3.5	0	0.00	4.1	11	12.47
6.5	0	0.00	7.0	15	9.96	BAY CITY	0.0	0	0.00	0.0	0	0.00
14.5	0	0.00	15.2	26	7.98	BEAUMONT	3.4	0	0.00	3.5	10	13.30
4.7	0	0.00	4.8	8	7.69	BILLINGS	0.0	0	0.00	0.0	0	0.00
14.7	0	0.00	16.7	34	9.51	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
26.0	0	0.00	30.4	72	11.03	BIRMINGHAM	12.2	0	0.00	14.6	100	31.87
210.2	0	0.00	259.6	393	6.36	BOSTON	5.0	0	0.00	5.3	18	15.77
44.6	0	0.00	50.2	70	6.50	BRIDGEPORT	1.7	0	0.00	1.9	5	12.34
17.1	0	0.00	19.7	28	6.62	BROCKTON	0.3	0	0.00	0.3	1	17.81
7.0	0	0.00	7.6	20	12.26	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
86.7	0	0.00	93.8	166	8.25	BUFFALO	4.5	0	0.00	4.3	22	24.11
22.2	0	0.00	24.1	30	5.81	CANTON	1.0	0	0.00	1.0	5	23.65
8.8	0	0.00	10.0	23	10.68	CEDAR RAPIDS	0.1	0	0.00	0.1	1	56.36
6.1	0	0.00	7.0	9	6.03	CHAMPAIGN	0.3	0	0.00	0.3	2	27.82
6.7	0	0.00	7.6	19	11.71	CHARLESTON SC	3.1	0	0.00	4.0	10	11.53
14.4	0	0.00	13.6	44	13.14	CHARLESTON WVA	1.0	0	0.00	1.1	0	0.00
11.4	0	0.00	13.6	13	4.47	CHARLOTTE	3.0	0	0.00	3.6	17	21.78
14.3	0	0.00	16.8	41	11.37	CHATTANOOGA	2.9	0	0.00	3.6	19	24.88
379.3	0	0.00	417.4	623	6.96	CHICAGO	47.7	0	0.00	50.9	253	23.15
62.7	0	0.00	76.1	184	11.27	CINCINNATI	7.7	0	0.00	8.5	54	29.75
108.0	0	0.00	121.4	189	7.26	CLEVELAND	14.0	0	0.00	14.8	56	17.64
7.7	0	0.00	9.0	16	8.26	COLORADO SPRGS	0.2	0	0.00	0.2	1	19.64
9.8	0	0.00	11.3	15	6.20	COLUMBIA	3.4	0	0.00	4.0	14	16.46
7.1	0	0.00	8.2	23	13.11	COLUMBUS GA	2.7	0	0.00	3.7	25	31.67
35.7	0	0.00	41.8	115	12.81	COLUMBUS OHIO	4.7	0	0.00	4.9	21	20.05
10.5	0	0.00	11.0	27	11.46	CORPUS CHRISTI	0.5	0	0.00	0.6	5	37.90
55.6	0	0.00	64.8	119	8.55	DALLAS	8.1	0	0.00	8.8	43	22.65
18.4	0	0.00	20.2	38	8.76	DAVENPORT	0.3	0	0.00	0.3	2	28.99
38.0	0	0.00	42.1	61	6.75	DAYTON	3.8	0	0.00	3.8	9	10.93
7.6	0	0.00	9.9	15	7.87	DECATUR	0.3	0	0.00	0.3	5	73.11
54.2	0	0.00	62.0	111	8.36	DENVER	2.0	0	0.00	2.1	10	21.89
16.5	0	0.00	19.8	33	7.78	DES MOINES	0.6	0	0.00	0.7	3	19.57
212.1	0	0.00	219.7	390	8.27	DETROIT	30.8	0	0.00	31.3	141	20.97
4.9	0	0.00	6.0	5	3.90	DUBUQUE	0.0	0	0.00	0.0	0	0.00
20.9	0	0.00	20.9	28	6.24	DULUTH	0.1	0	0.00	0.1	1	51.98
4.5	0	0.00	4.5	10	8.53	DURHAM	1.9	0	0.00	2.3	10	20.55
13.3	0	0.00	14.9	36	11.29	EL PASO	0.4	0	0.00	0.3	0	0.00
16.4	0	0.00	18.2	41	10.51	ERIE	0.3	0	0.00	0.3	0	0.00
10.4	0	0.00	10.5	16	7.12	EUGENE	0.0	0	0.00	0.0	0	0.00
12.6	0	0.00	15.0	40	12.44	EVANSVILLE	0.9	0	0.00	1.0	9	40.93
28.6	0	0.00	35.0	57	7.58	FALL RIVER	0.3	0	0.00	0.5	0	0.00
6.6	0	0.00	6.8	11	7.57	FARGO	0.0	0	0.00	0.0	0	0.00
20.0	0	0.00	20.9	58	12.96	FLINT	1.5	0	0.00	1.5	14	44.39
23.8	0	0.00	25.7	39	7.07	FT. LAUDERDALE	2.2	0	0.00	2.2	14	29.80
4.3	0	0.00	5.1	14	12.68	FORT SMITH	0.3	0	0.00	0.4	3	38.46
13.9	0	0.00	16.0	34	9.92	FORT WAYNE	0.5	0	0.00	0.5	1	9.02
30.8	0	0.00	34.7	54	7.26	FORT WORTH	3.4	0	0.00	3.7	11	13.75
21.3	0	0.00	22.0	41	8.69	FRESNO	1.9	0	0.00	1.4	7	22.68
5.1	0	0.00	5.8	19	15.39	GADSDEN	0.8	0	0.00	0.9	1	5.20
7.0	0	0.00	7.2	18	11.66	GALVESTON	1.7	0	0.00	1.8	6	15.54
30.5	0	0.00	29.1	52	8.33	GARY	4.3	0	0.00	4.2	20	22.04
22.3	0	0.00	25.3	43	7.93	GRAND RAPIDS	0.7	0	0.00	0.7	4	25.02
4.4	0	0.00	4.3	9	9.84	GREAT FALLS	0.1	0	0.00	0.0	0	0.00
7.4	0	0.00	8.2	9	5.12	GREEN BAY	0.1	0	0.00	0.1	1	65.22
11.1	0	0.00	13.0	21	7.54	GREENSBORO	2.5	0	0.00	2.8	13	21.76
9.6	0	0.00	11.3	42	17.39	GREENVILLE	1.7	0	0.00	2.1	17	37.79
11.0	0	0.00	12.0	20	7.75	HAMILTON	0.5	0	0.00	0.6	2	16.02
22.2	0	0.00	26.1	52	9.30	HARRISBURG	1.2	0	0.00	1.4	7	23.90
45.9	0	0.00	51.0	43	3.93	HARTFORD	1.5	0	0.00	1.5	6	18.30
7.9	0	0.00	7.4	12	7.54	HONOLULU	17.9	0	0.00	14.5	24	7.72
56.9	0	0.00	61.5	104	7.89	HOUSTON	12.4	0	0.00	13.2	47	16.54
16.4	0	0.00	18.3	63	16.04	HUNTINGTON	0.6	0	0.00	0.6	1	7.38
4.8	0	0.00	5.0	17	15.79	HUNTSVILLE	1.0	0	0.00	1.2	14	54.18
38.3	0	0.00	45.3	104	10.69	INDIANAPOLIS	5.9	0	0.00	6.5	33	23.61
8.4	0	0.00	8.9	33	17.36	JACKSON MICH	0.6	0	0.00	0.3	4	68.05
6.3	0	0.00	7.6	13	7.99	JACKSON MISS	3.5	0	0.00	4.2	25	27.74
19.6	0	0.00	22.0	57	12.07	JACKSONVILLE	5.7	0	0.00	6.7	40	27.95
44.5	0	0.00	50.2	48	4.46	JERSEY CITY	1.9	0	0.00	2.2	11	23.85
20.0	0	0.00	20.9	33	7.36	JOHNSTOWN	0.2	0	0.00	0.2	0	0.00
10.0	0	0.00	11.3	17	7.01	KALAMAZOO	0.3	0	0.00	0.3	1	16.06
60.8	0	0.00	71.2	130	8.51	KANSAS CITY	7.4	0	0.00	8.1	32	18.48
5.8	0	0.00	7.0	12	8.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
20.7	0	0.00	23.8	63	12.33	KNOXVILLE	1.7	0	0.00	2.0	7	16.27
5.7	0	0.00	5.8	7	5.61	LAKE CHARLES	1.4	0	0.00	1.4	8	26.13
18.2	0	0.00	21.5	33	7.16	LANCASTER	0.2	0	0.00	0.2	0	0.00
17.1	0	0.00	19.0	38	9.36	LANSING	0.4	0	0.00	0.4	3	39.85
3.2	0	0.00	3.8	12	14.68	LAREDO	0.0	0	0.00	0.0	0	0.00
7.6	0	0.00	6.6	9	6.40	LAS VEGAS	0.5	0	0.00	0.5	1	10.21
3.6	0	0.00	3.7	3	3.79	LAWTON	0.4	0	0.00	0.4	0	0.00
6.9	0	0.00	7.9	20	11.85	LEXINGTON	1.4	0	0.00	1.5	5	15.08
6.5	0	0.00	7.2	22	14.20	LIMA	0.4	0	0.00	0.3	4	57.12
9.5	0	0.00	11.3	9	3.70	LINCOLN	0.2	0	0.00	0.1	0	0.00
12.3	0	0.00	13.9	26	8.72	LITTLE ROCK	3.1	0	0.00	3.7	13	16.55
12.4	0	0.00	12.7	29	10.61	LORAIN	0.6	0	0.00	0.6	3	23.72
409.5	0	0.00	481.8	861	8.33	LOS ANGELES	31.2	0	0.00	32.4	107	15.39

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF CERVIX UTERI (I.S.C. 171)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
39.3	0	0.00	44.6	102	10.26	LOUISVILLE	5.3	0	0.00	6.0	33	23.59
7.1	0	0.00	7.7	14	8.49	LUBBOCK	0.5	0	0.00	0.5	2	18.55
5.5	0	0.00	6.7	8	5.57	LYNCHBURG	1.3	0	0.00	1.5	1	3.05
6.7	0	0.00	7.9	21	12.42	MACON	2.6	0	0.00	3.5	12	15.84
12.8	0	0.00	14.5	19	6.11	MADISON	0.1	0	0.00	0.1	0	0.00
12.4	0	0.00	15.0	21	6.55	MANCHESTER	0.0	0	0.00	0.0	0	0.00
22.9	0	0.00	27.7	47	7.90	MEMPHIS	12.6	0	0.00	14.4	48	15.55
63.4	0	0.00	[illegible]9.7	105	7.13	MIAMI	6.2	0	0.00	6.4	42	30.44
2.8	0	0.00	2.9	2	3.25	MIDLAND	0.3	0	0.00	0.3	0	0.00
77.6	0	0.00	85.7	135	7.34	MILWAUKEE	2.7	0	0.00	2.5	16	29.48
91.3	0	0.00	106.2	143	6.27	MINNEAPOLIS	1.5	0	0.00	1.4	5	16.25
11.9	0	0.00	13.1	33	11.72	MOBILE	4.8	0	0.00	5.7	24	19.72
4.1	0	0.00	4.6	8	8.16	MONROE	1.8	0	0.00	2.1	8	17.67
5.8	0	0.00	7.0	25	16.67	MONTGOMERY	3.2	0	0.00	4.2	23	25.37
6.6	0	0.00	7.3	17	10.85	MUNCIE	0.4	0	0.00	0.4	2	25.78
8.5	0	0.00	9.0	18	9.35	MUSKEGON	0.6	0	0.00	0.6	2	16.68
19.4	0	0.00	23.6	44	8.68	NASHVILLE	4.5	0	0.00	5.4	25	21.48
109.5	0	0.00	125.9	170	6.29	NEWARK	11.6	0	0.00	13.3	43	15.04
44.8	0	0.00	50.6	50	4.60	NEW HAVEN	1.6	0	0.00	1.7	6	16.23
38.0	0	0.00	45.3	67	6.89	NEW ORLEANS	13.8	0	0.00	16.5	77	21.72
8.6	0	0.00	8.5	10	5.51	NEWPORT NEWS	3.4	0	0.00	3.3	13	18.48
720.1	0	0.00	823.4	963	5.45	NEW YORK	69.3	0	0.00	83.4	338	18.89
21.4	0	0.00	23.5	57	11.31	NORFOLK	7.9	0	0.00	8.7	57	30.46
4.1	0	0.00	3.8	6	7.39	ODESSA	0.2	0	0.00	0.2	3	72.38
6.1	0	0.00	6.4	9	6.59	OGDEN	0.2	0	0.00	0.1	0	0.00
28.9	0	0.00	33.1	68	9.57	OKLAHOMA CITY	2.4	0	0.00	2.7	10	17.38
27.6	0	0.00	30.9	56	8.44	OMAHA	1.5	0	0.00	1.6	10	29.73
17.4	0	0.00	19.3	26	6.28	ORLANDO	2.8	0	0.00	2.8	13	21.91
82.0	0	0.00	91.5	94	4.79	PATERSON	2.1	0	0.00	2.5	7	12.96
8.3	0	0.00	8.9	21	11.02	PENSACOLA	1.7	0	0.00	2.0	16	36.45
18.9	0	0.00	20.8	28	6.26	PEORIA	0.5	0	0.00	0.5	2	17.77
256.7	0	0.00	296.0	[illegible]02	6.33	PHILADELPHIA	38.0	0	0.00	42.6	161	17.62
38.3	0	0.00	39.5	77	9.09	PHOENIX	1.9	0	0.00	1.7	11	30.51
160.5	0	0.00	174.7	273	7.28	PITTSBURGH	10.7	0	0.00	10.6	24	10.59
10.0	0	0.00	12.0	17	6.60	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
12.6	0	0.00	15.4	25	7.59	PORTLAND MAINE	0.0	0	0.00	0.0	1	107.48
59.9	0	0.00	66.3	100	7.03	PORTLAND OREG.	1.5	0	0.00	1.2	3	11.20
51.0	0	0.00	61.0	62	6.26	PROVIDENCE	0.8	0	0.00	0.8	3	17.41
5.2	0	0.00	5.4	8	6.87	PROVO	0.0	0	0.00	0.0	0	0.00
7.7	0	0.00	8.1	14	8.08	PUEBLO	0.2	0	0.00	0.2	0	0.00
9.1	0	0.00	9.8	17	8.08	RACINE	0.2	0	0.00	0.2	1	26.23
7.1	0	0.00	8.2	8	4.53	RALEIGH	2.2	0	0.00	2.5	20	36.66
21.1	0	0.00	23.6	50	9.89	READING	0.3	0	0.00	0.3	0	0.00
5.8	0	0.00	5.5	12	10.12	RENO	0.2	0	0.00	0.2	1	30.29
19.3	0	0.00	24.1	33	6.37	RICHMOND	6.1	0	0.00	7.0	35	23.19
9.3	0	0.00	10.8	27	11.61	ROANOKE	1.3	0	0.00	1.4	3	9.79
40.4	0	0.00	47.3	60	5.[illegible]	ROCHESTER	1.0	0	0.00	1.0	5	22.70
13.0	0	0.00	14.1	27	8.93	ROCKFORD	0.4	0	0.00	0.4	1	12.08
29.3	0	0.00	29.0	56	9.01	SACRAMENTO	2.3	0	0.00	1.6	5	14.46
10.8	0	0.00	11.6	21	8.43	SAGINAW	0.9	0	0.00	0.8	6	36.69
7.1	0	0.00	8.6	15	8.17	ST. JOSEPH	0.2	0	0.00	0.3	0	0.00
120.1	0	0.00	141.4	262	8.64	ST. LOUIS	16.8	0	0.00	19.3	99	23.86
20.7	0	0.00	22.8	30	6.13	SALT LAKE CITY	0.4	0	0.00	0.3	0	0.00
3.9	0	0.00	4.5	4	4.18	SAN ANGELO	0.2	0	0.00	0.2	1	19.44
34.0	0	0.00	39.8	96	11.23	SAN ANTONIO	2.5	0	0.00	3.1	15	22.84
52.1	0	0.00	55.3	98	8.26	SAN BERNARDINO	2.0	0	0.00	1.7	6	16.02
56.6	0	0.00	63.0	97	7.18	SAN DIEGO	2.3	0	0.00	2.1	1	2.19
174.3	0	0.00	195.9	305	7.26	SAN FRANCISCO	19.8	0	0.00	16.7	64	17.82
34.9	0	0.00	39.1	41	4.89	SAN JOSE	1.2	0	0.00	0.9	1	4.96
10.4	0	0.00	11.9	16	6.28	SANTA BARBARA	0.4	0	0.00	0.3	1	16.94
6.8	0	0.00	8.1	22	12.66	SAVANNAH	3.4	0	0.00	4.2	23	25.47
17.9	0	0.00	21.6	41	8.83	SCRANTON	0.1	0	0.00	0.1	0	0.00
72.8	0	0.00	78.6	110	6.52	SEATTLE	3.5	0	0.00	2.5	13	24.18
10.8	0	0.00	12.3	21	7.93	SHREVEPORT	5.1	0	0.00	6.2	27	20.18
7.6	0	0.00	8.5	18	9.89	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
5.4	0	0.00	6.0	8	6.24	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
14.8	0	0.00	16.3	26	7.45	SOUTH BEND	0.7	0	0.00	0.7	6	37.64
19.4	0	0.00	20.6	40	9.07	SPOKANE	0.3	0	0.00	0.3	1	18.14
10.1	0	0.00	12.2	31	11.82	SPRINGFIELD I.	0.4	0	0.00	0.5	1	9.94
8.7	0	0.00	10.3	17	7.67	SPRINGFIELD MO	0.2	0	0.00	0.2	1	24.48
8.1	0	0.00	9.2	25	12.69	SPRINGFIELD O.	0.8	0	0.00	0.9	6	31.37
35.9	0	0.00	42.4	56	6.16	SPRINGFIELD MA	0.7	0	0.00	0.7	8	50.92
11.2	0	0.00	11.2	28	11.64	STEUBENVILLE	0.5	0	0.00	0.5	0	0.00
16.7	0	0.00	15.9	40	11.70	STOCKTON	2.3	0	0.00	1.1	3	12.89
37.0	0	0.00	41.3	68	7.67	SYRACUSE	0.6	0	0.00	0.6	1	7.66
20.7	0	0.00	21.8	35	7.50	TACOMA	0.7	0	0.00	0.5	2	19.33
63.1	0	0.00	70.7	135	8.90	TAMPA	4.8	0	0.00	5.2	23	20.80
7.7	0	0.00	9.0	31	16.11	TERRE HAUTE	0.3	0	0.00	0.4	6	75.12
5.1	0	0.00	5.7	14	11.50	TEXARKANA	1.5	0	0.00	1.7	3	8.47
29.5	0	0.00	33.1	68	9.58	TOLEDO	2.4	0	0.00	2.4	15	28.57
8.4	0	0.00	9.9	19	8.97	TOPEKA	0.6	0	0.00	0.7	0	0.00
17.0	0	0.00	19.1	30	7.33	TRENTON	1.8	0	0.00	1.7	10	27.05
15.1	0	0.00	16.5	28	7.91	TUCSON	0.9	0	0.00	0.8	2	11.11
24.3	0	0.00	27.6	53	8.95	TULSA	2.3	0	0.00	2.6	12	21.41
4.9	0	0.00	5.3	14	12.40	TUSCALOOSA	1.5	0	0.00	1.8	9	23.30
4.4	0	0.00	4.9	6	5.66	TYLER	1.4	0	0.00	1.5	9	27.93
23.7	0	0.00	26.5	49	8.62	UTICA	0.2	0	0.00	0.2	1	22.04
8.6	0	0.00	9.6	20	9.76	WACO	1.5	0	0.00	1.7	7	19.36
88.6	0	0.00	107.1	160	6.96	WASHINGTON	26.5	0	0.00	29.2	117	18.68
7.3	0	0.00	8.2	12	6.81	WATERLOO	0.2	0	0.00	0.2	0	0.00
15.3	0	0.00	17.1	23	6.28	W. PALM BEACH	3.0	0	0.00	2.5	11	20.72
14.3	0	0.00	15.9	45	13.22	WHEELING	0.4	0	0.00	0.3	1	13.80
18.1	0	0.00	20.6	52	11.77	WICHITA	1.0	0	0.00	1.0	3	13.91
7.1	0	0.00	7.8	15	8.92	WICHITA FALLS	0.5	0	0.00	0.5	1	8.90
26.8	0	0.00	31.9	37	5.41	WILKES-BARRE	0.1	0	0.00	0.1	1	60.19
20.5	0	0.00	22.7	45	9.24	WILMINGTON	2.7	0	0.00	2.6	19	33.75
8.0	0	0.00	9.4	14	6.94	WINSTON-SALEM	2.4	0	0.00	3.0	7	10.83
42.4	0	0.00	49.6	59	5.54	WORCESTER	0.2	0	0.00	0.2	1	20.57
16.3	0	0.00	18.2	38	9.76	YORK	0.3	0	0.00	0.3	3	49.76
31.8	0	0.00	33.4	60	8.38	YOUNGSTOWN	2.7	0	0.00	2.5	11	20.19
6765.2	0	0.00	7650.0	12573	7.66	TOTAL 201 SMSA	703.3	0	0.00	761.5	3310	20.26

ALL AGE STANDARD RATE = 4.66

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF CORPUS UTERI AND OTHER AND UNSPECIFIED PARTS OF UTERUS (I.S.C. 172-174)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
4.5	0	0.00	5.4	9	5.50	ABILENE	0.2	0	0.00	0.2	2	33.25
21.8	0	0.00	24.4	48	6.44	AKRON	1.3	0	0.00	1.3	5	12.58
1.2	0	0.00	1.4	1	2.28	ALBANY GA	0.8	0	0.00	1.1	8	23.37
34.1	0	0.00	42.0	73	5.68	ALBANY NY	0.6	0	0.00	0.6	1	5.67
7.4	0	0.00	9.3	7	2.77	ALBUQUERQUE	0.2	0	0.00	0.2	0	0.00
25.2	0	0.00	29.5	71	7.88	ALLENTOWN	0.2	0	0.00	0.2	0	0.00
7.7	0	0.00	9.3	18	6.35	ALTOONA	0.1	0	0.00	0.1	0	0.00
4.6	0	0.00	5.4	7	4.27	AMARILLO	0.2	0	0.00	0.2	0	0.00
5.7	0	0.00	7.1	10	4.63	ANN ARBOR	0.4	0	0.00	0.4	1	8.20
5.7	0	0.00	6.9	9	4.27	ASHEVILLE	0.7	0	0.00	0.8	3	12.08
27.8	0	0.00	36.8	57	5.07	ATLANTA	7.1	0	0.00	9.5	19	6.57
8.6	0	0.00	10.6	21	6.50	ATLANTIC CITY	1.5	0	0.00	1.7	3	5.78
4.8	0	0.00	5.9	8	4.41	AUGUSTA	2.1	0	0.00	2.8	11	12.77
7.0	0	0.00	8.6	22	8.34	AUSTIN	1.1	0	0.00	1.4	4	9.24
10.7	0	0.00	10.6	18	5.55	BAKERSFIELD	0.9	0	0.00	0.6	1	5.51
58.4	0	0.00	72.5	127	5.73	BALTIMORE	12.3	0	0.00	13.0	37	9.32
4.6	0	0.00	5.5	2	1.18	BATON ROUGE	2.3	0	0.00	2.8	4	4.64
4.5	0	0.00	5.1	12	7.76	BAY CITY	0.0	0	0.00	0.0	0	0.00
9.0	0	0.00	9.9	15	4.96	BEAUMONT	2.2	0	0.00	2.2	8	11.86
3.2	0	0.00	3.3	2	1.97	BILLINGS	0.0	0	0.00	0.0	1	125.80
10.4	0	0.00	12.4	15	3.95	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
17.2	0	0.00	25.4	35	5.36	BIRMINGHAM	8.5	0	0.00	10.2	37	11.90
152.0	0	0.00	201.1	332	5.40	BOSTON	3.3	0	0.00	3.6	8	7.30
30.4	0	0.00	36.2	67	6.05	BRIDGEPORT	0.9	0	0.00	1.1	1	3.04
12.5	0	0.00	15.4	35	7.41	BROCKTON	0.3	0	0.00	0.2	0	0.00
4.6	0	0.00	5.1	14	9.02	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
58.7	0	0.00	58.2	140	6.72	BUFFALO	2.6	0	0.00	2.4	6	8.17
15.8	0	0.00	17.8	33	6.07	CANTON	0.6	0	0.00	0.6	4	21.62
6.3	0	0.00	7.7	16	6.77	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
4.0	0	0.00	5.1	6	3.83	CHAMPAIGN	0.2	0	0.00	0.2	0	0.00
3.9	0	0.00	4.9	16	10.66	CHARLESTON SC	1.9	0	0.00	2.6	10	12.54
9.4	0	0.00	10.5	11	3.44	CHARLESTON WVA	0.7	0	0.00	0.8	10	40.81
6.9	0	0.00	9.0	15	5.44	CHARLOTTE	1.9	0	0.00	2.3	5	7.18
9.6	0	0.00	11.8	16	4.43	CHATTANOOGA	2.0	0	0.00	2.4	12	16.05
259.9	0	0.00	300.3	617	6.72	CHICAGO	29.0	0	0.00	31.4	134	13.94
44.3	0	0.00	57.8	125	7.08	CINCINNATI	5.1	0	0.00	5.5	20	11.82
74.3	0	0.00	87.4	149	5.58	CLEVELAND	8.5	0	0.00	9.1	19	6.84
5.1	0	0.00	6.6	8	3.98	COLORADO SPRGS	0.1	0	0.00	0.1	1	21.89
6.0	0	0.00	7.7	12	5.09	COLUMBIA	2.2	0	0.00	2.7	10	12.29
4.1	0	0.00	5.3	13	8.02	COLUMBUS GA	1.7	0	0.00	2.4	12	16.08
23.9	0	0.00	30.5	52	5.58	COLUMBUS OHIO	3.1	0	0.00	3.3	11	11.04
6.4	0	0.00	6.8	11	5.27	CORPUS CHRISTI	0.3	0	0.00	0.4	0	0.00
35.7	0	0.00	45.3	68	4.92	DALLAS	5.3	0	0.00	5.7	22	12.63
13.2	0	0.00	15.2	32	6.88	DAVENPORT	0.2	0	0.00	0.2	0	0.00
25.1	0	0.00	29.7	54	5.95	DAYTON	2.3	0	0.00	2.4	6	8.26
5.4	0	0.00	6.8	21	10.15	DECATUR	0.2	0	0.00	0.2	1	16.12
36.6	0	0.00	45.1	65	4.72	DENVER	1.3	0	0.00	1.4	4	9.45
11.7	0	0.00	15.0	20	4.38	DES MOINES	0.5	0	0.00	0.5	1	6.37
141.8	0	0.00	149.9	289	6.31	DETROIT	18.1	0	0.00	18.4	64	11.39
3.6	0	0.00	4.8	9	6.12	DUBUQUE	0.0	0	0.00	0.0	1	- - -
15.8	0	0.00	15.8	32	6.63	DULUTH	0.1	0	0.00	0.1	0	0.00
2.9	0	0.00	3.8	5	4.27	DURHAM	1.2	0	0.00	1.5	3	6.68
7.9	0	0.00	9.5	20	6.87	EL PASO	0.2	0	0.00	0.2	1	17.35
11.6	0	0.00	13.4	27	6.61	ERIE	0.2	0	0.00	0.2	0	0.00
7.1	0	0.00	7.4	10	4.44	EUGENE	0.0	0	0.00	0.0	0	0.00
9.0	0	0.00	11.3	20	5.79	EVANSVILLE	0.7	0	0.00	0.7	8	35.02
20.7	0	0.00	27.0	63	7.62	FALL RIVER	0.3	0	0.00	0.2	2	29.13
4.7	0	0.00	5.0	7	4.59	FARGO	0.0	0	0.00	0.0	0	0.00
13.2	0	0.00	14.2	36	8.28	FLINT	0.8	0	0.00	0.8	4	16.16
18.4	0	0.00	19.2	29	4.94	FT. LAUDERDALE	1.2	0	0.00	1.2	4	11.01
3.2	0	0.00	3.9	6	5.01	FORT SMITH	0.2	0	0.00	0.3	0	0.00
9.6	0	0.00	11.7	18	5.03	FORT WAYNE	0.3	0	0.00	0.3	1	10.78
20.0	0	0.00	24.2	39	5.27	FORT WORTH	2.3	0	0.00	2.5	8	10.52
14.7	0	0.00	15.5	21	4.42	FRESNO	1.4	0	0.00	0.9	1	3.51
3.4	0	0.00	4.0	8	6.58	GADSDEN	0.5	0	0.00	0.6	2	11.03
4.4	0	0.00	4.7	6	4.15	GALVESTON	1.1	0	0.00	1.1	2	5.77
19.7	0	0.00	19.1	48	8.24	GARY	2.6	0	0.00	2.5	8	10.47
15.9	0	0.00	19.0	30	5.16	GRAND RAPIDS	0.4	0	0.00	0.5	2	14.49
3.0	0	0.00	3.0	4	4.37	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
5.2	0	0.00	6.0	10	5.47	GREEN BAY	0.0	0	0.00	0.1	1	63.38
7.0	0	0.00	8.8	13	4.86	GREENSBORO	1.5	0	0.00	1.7	8	15.08
6.0	0	0.00	7.6	8	3.45	GREENVILLE	1.1	0	0.00	1.4	7	16.58
7.3	0	0.00	8.5	18	6.90	HAMILTON	0.4	0	0.00	0.4	7	61.73
15.5	0	0.00	19.5	44	7.40	HARRISBURG	0.8	0	0.00	0.9	7	25.28
31.3	0	0.00	36.8	64	5.69	HARTFORD	0.8	0	0.00	0.9	4	14.41
4.1	0	0.00	4.3	5	3.82	HONOLULU	10.8	0	0.00	8.5	7	2.69
34.1	0	0.00	39.5	63	5.22	HOUSTON	7.6	0	0.00	8.2	28	11.22
11.7	0	0.00	13.4	22	5.36	HUNTINGTON	0.5	0	0.00	0.5	1	6.90
2.8	0	0.00	3.2	8	8.28	HUNTSVILLE	0.7	0	0.00	0.9	5	19.02
26.0	0	0.00	33.2	60	5.92	INDIANAPOLIS	4.0	0	0.00	4.4	14	10.46
5.9	0	0.00	6.7	8	3.90	JACKSON MICH	0.3	0	0.00	0.2	0	0.00
3.9	0	0.00	5.2	4	2.53	JACKSON MISS	2.5	0	0.00	2.9	8	8.97
12.1	0	0.00	14.8	25	5.54	JACKSONVILLE	3.7	0	0.00	4.3	15	11.32
31.6	0	0.00	36.9	77	6.83	JERSEY CITY	1.1	0	0.00	1.3	2	5.10
14.6	0	0.00	15.4	37	7.88	JOHNSTOWN	0.2	0	0.00	0.1	0	0.00
6.9	0	0.00	8.3	11	4.32	KALAMAZOO	0.2	0	0.00	0.2	0	0.00
42.0	0	0.00	52.8	105	6.51	KANSAS CITY	5.3	0	0.00	5.7	18	10.27
4.8	0	0.00	5.1	11	7.09	KENOSHA	0.0	0	0.00	0.0	0	0.00
13.6	0	0.00	16.5	25	4.96	KNOXVILLE	1.2	0	0.00	1.4	3	7.07
3.3	0	0.00	3.6	3	2.70	LAKE CHARLES	0.9	0	0.00	0.9	1	3.55
13.1	0	0.00	16.5	27	5.35	LANCASTER	0.1	0	0.00	0.1	0	0.00
11.9	0	0.00	13.9	30	7.08	LANSING	0.2	0	0.00	0.2	0	0.00
2.2	0	0.00	2.7	6	7.37	LAREDO	0.0	0	0.00	0.0	0	0.00
4.5	0	0.00	3.8	7	6.06	LAS VEGAS	0.3	0	0.00	0.2	0	0.00
2.2	0	0.00	2.4	3	4.04	LAWTON	0.2	0	0.00	0.2	2	27.78
4.6	0	0.00	5.8	6	3.39	LEXINGTON	1.0	0	0.00	1.2	8	22.71
4.7	0	0.00	5.5	10	5.98	LIMA	0.2	0	0.00	0.2	1	16.31
6.8	0	0.00	8.9	11	4.02	LINCOLN	0.1	0	0.00	0.1	0	0.00
8.3	0	0.00	10.0	11	3.61	LITTLE ROCK	2.4	0	0.00	2.7	8	9.61
8.2	0	0.00	8.8	14	5.18	LORAIN	0.4	0	0.00	0.4	1	8.87
275.5	0	0.00	355.3	474	4.37	LOS ANGELES	18.2	0	0.00	19.5	52	8.74

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF CORPUS UTERI AND OTHER AND UNSPECIFIED PARTS OF UTERUS (I.S.C. 172-174)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
26.4	0	0.00	33.0	52	5.03	LOUISVILLE	3.8	0	0.00	4.3	18	13.76
4.4	0	0.00	5.1	9	5.80	LUBBOCK	0.3	0	0.00	0.3	0	0.00
3.8	0	0.00	5.0	6	2.66	LYNCHBURG	1.0	0	0.00	1.1	1	2.94
4.0	0	0.00	5.3	2	1.24	MACON	1.7	0	0.00	2.4	4	5.35
8.9	0	0.00	10.8	14	4.26	MADISON	0.1	0	0.00	0.0	0	0.00
8.9	0	0.00	11.5	13	3.70	MANCHESTER	0.0	0	0.00	0.0	0	0.00
14.6	0	0.00	19.5	26	4.37	MEMPHIS	9.0	0	0.00	10.1	23	7.46
46.0	0	0.00	50.0	69	4.52	MIAMI	3.4	0	0.00	3.5	11	10.32
1.4	0	0.00	1.6	0	0.00	MIDLAND	0.2	0	0.00	0.1	0	0.00
54.0	0	0.00	62.5	117	6.17	MILWAUKEE	1.5	0	0.00	1.4	2	4.81
66.6	0	0.00	79.6	107	4.40	MINNEAPOLIS	1.0	0	0.00	1.0	3	10.31
7.3	0	0.00	8.7	17	6.30	MOBILE	3.0	0	0.00	3.7	11	9.70
2.8	0	0.00	3.2	2	2.05	MONROE	1.3	0	0.00	1.5	5	10.75
3.6	0	0.00	4.8	11	7.63	MONTGOMERY	2.2	0	0.00	3.1	16	16.90
4.6	0	0.00	5.6	9	5.48	MUNCIE	0.2	0	0.00	0.2	0	0.00
5.8	0	0.00	6.3	15	7.76	MUSKEGON	0.3	0	0.00	0.3	0	0.00
12.8	0	0.00	17.0	62	8.10	NASHVILLE	3.1	0	0.00	3.8	20	17.27
75.6	0	0.00	92.0	169	6.01	NEWARK	6.9	0	0.00	8.1	22	8.88
31.5	0	0.00	37.6	62	5.43	NEW HAVEN	1.0	0	0.00	1.0	3	9.50
24.6	0	0.00	32.2	49	4.98	NEW ORLEANS	9.0	0	0.00	11.2	36	10.52
5.0	0	0.00	5.2	11	6.87	NEWPORT NEWS	2.1	0	0.00	2.0	9	14.53
509.1	0	0.00	600.9	1038	5.65	NEW YORK	40.9	0	0.00	49.5	123	8.13
12.8	0	0.00	15.5	19	4.02	NORFOLK	4.9	0	0.00	5.5	21	12.39
2.1	0	0.00	2.0	3	4.98	ODESSA	0.1	0	0.00	0.1	0	0.00
4.1	0	0.00	[illegible]	3	2.21	OGDEN	0.1	0	0.00	0.1	0	0.00
19.5	0	0.00	23.8	67	6.46	OKLAHOMA CITY	1.6	0	0.00	1.7	7	13.10
19.4	0	0.00	27.9	41	5.85	OMAHA	1.0	0	0.00	1.1	2	5.99
12.5	0	0.00	14.6	17	3.86	ORLANDO	1.7	0	0.00	1.7	5	9.38
56.6	0	0.00	66.4	135	6.86	PATERSON	1.2	0	0.00	1.5	6	13.32
5.1	0	0.00	5.7	9	5.13	PENSACOLA	1.1	0	0.00	1.3	10	24.77
13.1	0	0.00	15.5	25	5.29	PEORIA	0.3	0	0.00	0.3	2	19.52
177.4	0	0.00	217.9	446	6.70	PHILADELPHIA	24.0	0	0.00	27.1	92	11.10
25.4	0	0.00	26.7	33	4.05	PHOENIX	1.3	0	0.00	1.0	1	3.13
112.4	0	0.00	125.2	252	6.50	PITTSBURGH	7.5	0	0.00	7.0	22	10.23
7.3	0	0.00	9.3	16	4.93	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
9.3	0	0.00	12.1	28	7.57	PORTLAND MAINE	0.0	0	0.00	0.1	0	0.00
44.1	0	0.00	50.8	73	4.71	PORTLAND OREG.	1.0	0	0.00	0.0	0	0.00
36.5	0	0.00	46.3	77	5.45	PROVIDENCE	0.5	0	0.00	0.7	0	0.00
3.4	0	0.00	3.8	5	4.36	PROVO	0.0	0	0.00	0.5	3	18.06
5.5	0	0.00	6.0	9	4.90	PUEBLO	0.1	0	0.00	0.0	0	0.00
6.5	0	0.00	7.3	8	3.61	RACINE	0.1	0	0.00	0.1	0	0.00
4.5	0	0.00	5.6	7	4.07	RALEIGH	1.4	0	0.00	0.1	[illegible]	36.45
15.2	0	0.00	17.7	38	7.04	READING	0.2	0	0.00	1.7	4	7.60
3.9	0	0.00	3.6	5	4.49	RENO	0.1	0	0.00	0.2	1	18.45
12.6	0	0.00	17.5	27	5.06	RICHMOND	3.9	0	0.00	0.1	0	0.00
6.4	0	0.00	7.9	14	5.77	ROANOKE	0.9	0	0.00	4.7	16	9.80
29.2	0	0.00	36.1	52	4.71	ROCHESTER	0.6	0	0.00	1.0	0	0.00
9.0	0	0.00	10.2	13	4.15	ROCKFORD	0.2	0	0.00	0.6	2	11.38
19.0	0	0.00	19.6	27	4.50	SACRAMENTO	1.4	0	0.00	0.2	0	0.00
7.5	0	0.00	8.6	15	5.81	SAGINAW	0.5	0	0.00	0.9	1	3.53
5.5	0	0.00	7.1	13	6.03	ST. JOSEPH	0.2	0	0.00	0.4	1	7.89
83.6	0	0.00	105.5	196	6.08	ST. LOUIS	11.5	0	0.00	0.2	0	0.00
13.9	0	0.00	16.3	22	4.43	SALT LAKE CITY	0.3	0	0.00	13.1	50	12.50
2.8	0	0.00	3.3	3	2.99	SAN ANGELO	0.1	0	0.00	0.2	0	0.00
22.5	0	0.00	28.1	57	6.64	SAN ANTONIO	1.6	0	0.00	0.2	0	0.00
37.6	0	0.00	41.2	64	5.08	SAN BERNARDINO	1.3	0	0.00	2.1	5	7.91
37.3	0	0.00	44.7	67	4.90	SAN DIEGO	1.3	0	0.00	1.1	3	8.78
120.0	0	0.00	145.6	214	4.88	SAN FRANCISCO	11.5	0	0.00	1.2	3	8.36
22.3	0	0.00	27.2	39	4.70	SAN JOSE	0.8	0	0.00	9.2	11	3.93
7.2	0	0.00	8.9	16	5.85	SANTA BARBARA	0.3	0	0.00	0.6	0	0.00
4.2	0	0.00	5.6	4	2.36	SAVANNAH	2.2	0	0.00	0.2	0	0.00
13.0	0	0.00	16.3	40	8.03	SCRANTON	0.0	0	0.00	2.8	7	8.10
51.3	0	0.00	58.1	86	4.86	SEATTLE	2.2	0	0.00	0.1	0	0.00
7.0	0	0.00	8.5	6	2.31	SHREVEPORT	3.8	0	0.00	1.5	3	6.65
5.8	0	0.00	6.6	15	7.40	SIOUX CITY	0.1	0	0.00	4.6	13	9.19
3.9	0	0.00	4.5	7	5.12	SIOUX FALLS	0.0	0	0.00	0.1	0	0.00
10.3	0	0.00	11.7	25	7.00	SOUTH BEND	0.5	0	0.00	0.0	0	0.00
14.4	0	0.00	15.7	15	3.12	SPOKANE	0.2	0	0.00	0.5	2	14.54
7.4	0	0.00	9.4	14	4.87	SPRINGFIELD I.	0.3	0	0.00	0.2	0	0.00
6.5	0	0.00	8.2	16	6.40	SPRINGFIELD MO	0.1	0	0.00	0.4	0	0.00
5.8	0	0.00	7.0	14	6.56	SPRINGFIELD O.	0.5	0	0.00	0.2	0	0.00
25.5	0	0.00	32.4	53	5.35	SPRINGFIELD MA	0.4	0	0.00	0.6	2	10.09
7.9	0	0.00	7.8	20	8.41	STEUBENVILLE	0.3	0	0.00	0.5	2	14.36
12.1	0	0.00	11.6	12	3.38	STOCKTON	1.6	0	0.00	0.3	0	0.09
26.5	0	0.00	31.1	46	4.83	SYRACUSE	0.4	0	0.00	0.7	0	0.00
14.9	0	0.00	16.3	23	4.61	TACOMA	0.3	0	0.00	0.4	1	9.28
53.6	0	0.00	59.2	105	5.91	TAMPA	3.1	0	0.00	0.2	0	0.00
5.9	0	0.00	7.1	17	7.86	TERRE HAUTE	0.3	0	0.00	3.3	20	19.73
3.7	0	0.00	4.2	9	6.97	TEXARKANA	1.1	0	0.00	0.3	2	22.85
21.1	0	0.00	24.9	56	7.36	TOLEDO	1.5	0	0.00	1.3	9	23.54
6.0	0	0.00	7.7	15	6.40	TOPEKA	0.5	0	0.00	1.5	4	8.45
11.7	0	0.00	13.9	31	7.28	TRENTON	1.0	0	0.00	0.5	1	6.26
10.2	0	0.00	11.3	11	3.17	TUCSON	0.6	0	0.00	1.0	4	12.86
16.5	0	0.00	19.8	36	5.96	TULSA	1.6	0	0.00	0.5	1	6.02
3.4	0	0.00	3.8	5	4.26	TUSCALOOSA	1.1	0	0.00	1.8	11	19.48
3.0	0	0.00	3.6	11	10.06	TYLER	1.0	0	0.00	1.2	0	0.00
17.4	0	0.00	20.4	27	4.33	UTICA	0.1	0	0.00	1.1	4	12.08
6.1	0	0.00	7.2	14	6.33	WACO	1.1	0	0.00	0.1	0	0.00
53.7	0	0.00	72.5	116	5.23	WASHINGTON	15.5	0	0.00	1.3	3	7.74
5.2	0	0.00	6.1	11	5.88	WATERLOO	0.1	0	0.00	17.8	68	12.47
12.2	0	0.00	13.5	17	4.11	W. PALM BEACH	1.8	0	0.00	0.1	0	0.00
10.8	0	0.00	12.3	32	8.53	WHEELING	0.3	0	0.00	1.4	4	9.13
11.5	0	0.00	14.3	18	4.12	WICHITA	0.6	0	0.00	0.3	1	12.57
4.8	0	0.00	5.6	8	4.66	WICHITA FALLS	0.3	0	0.00	0.6	0	0.00
19.1	0	0.00	23.6	49	6.80	WILKES-BARRE	0.1	0	0.00	0.3	3	28.66
13.5	0	0.00	15.9	26	5.34	WILMINGTON	1.7	0	0.00	0.1	0	0.00
5.0	0	0.00	6.3	5	2.59	WINSTON-SALEM	1.6	0	0.00	1.7	7	13.73
31.0	0	0.00	38.5	79	6.72	WORCESTER	0.2	0	0.00	2.0	4	6.57
11.6	0	0.00	13.5	35	8.51	YORK	0.2	0	0.00	0.2	0	0.00
22.3	0	0.00	23.7	52	7.17	YOUNGSTOWN	1.8	0	0.00	0.2	0	0.00
4658.5	0	0.00	5564.8	9634	5.66	TOTAL 201 SMSA	442.1	0	0.00	1.6	5	10.27

ALL AGE STANDARD RATE = 3.27

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OVARY, FALLOPIAN TUBE, AND BROAD LIGAMENT (I.S.C. 175)

WHITE MALE EXP.	OBS.	RATE	WHITE FEMALE EXP.	OBS.	RATE	SMSA	NON-WHITE MALE EXP.	OBS.	RATE	NON-WHITE FEMALE EXP.	OBS.	RATE
6.6	0	0.00	7.5	14	8.80	ABILENE	0.3	0	0.00	0.3	2	32.15
32.3	0	0.00	35.2	66	8.90	AKRON	2.1	0	0.00	2.1	3	6.90
2.0	0	0.00	2.2	2	6.27	ALBANY GA	1.1	0	0.00	1.6	2	5.91
43.8	0	0.00	57.6	121	9.94	ALBANY NY	0.9	0	0.00	0.9	2	10.64
11.8	0	0.00	12.8	23	8.53	ALBUQUERQUE	0.3	0	0.00	0.3	1	16.45
36.6	0	0.00	41.2	87	10.01	ALLENTOWN	0.2	0	0.00	0.2	1	20.21
10.7	0	0.00	12.6	39	14.70	ALTOONA	0.1	0	0.00	0.1	0	0.00
7.3	0	0.00	8.0	19	11.26	AMARILLO	0.3	0	0.00	0.4	0	0.00
8.5	0	0.00	9.9	19	9.12	ANN ARBOR	0.7	0	0.00	0.6	0	0.00
8.2	0	0.00	9.6	12	5.92	ASHEVILLE	1.0	0	0.00	1.2	5	20.20
43.4	0	0.00	53.6	105	9.32	ATLANTA	11.0	0	0.00	14.3	28	9.28
11.8	0	0.00	14.2	26	8.71	ATLANTIC CITY	2.1	0	0.00	2.4	4	7.91
7.6	0	0.00	8.8	10	5.41	AUGUSTA	3.1	0	0.00	4.1	6	6.96
10.4	0	0.00	12.2	21	8.17	AUSTIN	1.5	0	0.00	2.0	3	7.17
16.3	0	0.00	15.9	23	6.95	BAKERSFIELD	1.4	0	0.00	0.9	2	10.06
88.7	0	0.00	103.1	193	8.88	BALTIMORE	19.5	0	0.00	20.2	41	9.61
7.5	0	0.00	8.5	6	3.36	BATON ROUGE	3.5	0	0.00	4.1	4	4.60
6.6	0	0.00	7.2	14	9.27	BAY CITY	0.0	0	0.00	0.0	0	0.00
14.2	0	0.00	15.0	24	7.60	BEAUMONT	3.3	0	0.00	3.4	6	8.31
4.7	0	0.00	4.8	12	11.76	BILLINGS	0.0	0	0.00	0.0	0	0.00
15.1	0	0.00	17.3	40	10.99	BINGHAMTON	0.1	0	0.00	0.1	2	90.90
25.9	0	0.00	30.9	46	7.06	BIRMINGHAM	12.7	0	0.00	14.9	21	6.67
217.3	0	0.00	273.6	541	9.39	BOSTON	4.9	0	0.00	5.2	6	5.44
45.2	0	0.00	51.4	115	10.62	BRIDGEPORT	1.5	0	0.00	1.8	2	5.38
17.6	0	0.00	20.6	43	9.88	BROCKTON	0.4	0	0.00	0.3	1	18.31
7.0	0	0.00	7.5	8	5.04	BROWNSVILLE	0.1	0	0.00	0.1	1	- - -
86.3	0	0.00	96.6	216	10.61	BUFFALO	6.2	0	0.00	4.0	11	13.20
22.7	0	0.00	24.7	51	9.78	CANTON	1.0	0	0.06	1.0	1	4.97
9.0	0	0.00	10.4	22	9.99	CEDAR RAPIDS	0.1	0	0.00	0.1	1	56.90
6.0	0	0.00	7.1	12	8.03	CHAMPAIGN	0.3	0	[illegible]	0.3	1	14.87
6.3	0	0.00	7.4	18	11.58	CHARLESTON SC	3.0	0	0.00	4.0	3	3.58
14.3	0	0.00	15.4	24	7.33	CHARLESTON WVA	1.1	0	0.00	1.2	1	4.09
10.9	0	0.00	13.4	30	10.65	CHARLOTTE	3.0	0	0.00	3.5	5	6.70
14.3	0	0.00	17.1	25	6.95	CHATTANOOGA	3.0	0	0.00	3.6	5	6.51
386.9	0	0.00	430.5	969	10.68	CHICAGO	46.1	0	0.00	49.0	73	7.07
64.3	0	0.00	79.4	180	10.75	CINCINNATI	7.7	0	0.00	8.4	11	6.21
109.9	0	0.00	124.7	289	10.99	CLEVELAND	13.5	0	0.00	14.2	26	8.70
7.5	0	0.00	9.1	21	10.93	COLORADO SPRGS	0.2	0	0.00	0.2	0	0.00
9.4	0	0.00	11.3	12	5.06	COLUMBIA	3.3	0	0.00	3.9	6	7.21
6.7	0	0.00	8.0	12	7.15	COLUMBUS GA	2.7	0	0.00	3.7	4	5.19
35.5	0	0.00	42.7	79	8.78	COLUMBUS OHIO	4.7	0	0.00	4.9	8	7.82
10.1	0	0.00	10.6	16	7.15	CORPUS CHRISTI	0.5	0	0.00	0.6	5	40.66
54.8	0	0.00	65.4	117	8.49	DALLAS	8.0	0	0.00	8.7	10	5.47
19.0	0	0.00	21.0	46	10.39	DAVENPORT	0.3	0	0.00	0.3	2	30.10
37.6	0	0.00	42.6	78	8.73	DAYTON	3.6	0	0.00	3.7	5	6.44
7.8	0	0.00	9.2	16	8.21	DECATUR	0.3	0	0.00	0.3	0	0.00
54.0	0	0.00	63.0	101	7.60	DENVER	2.0	0	0.00	2.1	2	4.62
16.9	0	0.00	20.5	38	8.77	DES MOINES	0.7	0	0.00	0.7	2	13.00
214.6	0	0.00	221.3	400	8.57	DETROIT	29.6	0	0.00	29.7	38	6.08
5.0	0	0.00	6.3	13	9.75	DUBUQUE	0.0	0	0.00	0.0	1	- - -
22.0	0	0.00	21.9	51	11.02	DULUTH	0.1	0	0.00	0.1	0	0.00
4.4	0	0.00	5.5	12	10.26	DURHAM	1.9	0	0.00	2.3	2	4.20
12.6	0	0.00	14.6	22	7.26	EL PASO	0.4	0	0.00	0.3	1	15.75
16.8	0	0.00	18.7	35	8.88	ERIE	0.3	0	0.00	0.3	0	0.00
10.5	0	0.00	10.6	20	8.94	EUGENE	0.0	0	0.00	0.0	0	0.00
13.0	0	0.00	15.6	21	6.38	EVANSVILLE	1.0	0	0.00	1.1	2	8.92
29.6	0	0.00	36.9	52	6.69	FALL RIVER	0.3	0	0.00	0.3	1	15.08
6.8	0	0.00	7.0	9	6.09	FARGO	0.0	0	0.00	0.0	0	0.00
20.0	0	0.00	20.9	44	9.98	FLINT	1.4	0	0.00	1.3	2	7.10
25.6	0	0.00	27.3	42	7.29	FT. LAUDERDALE	2.0	0	0.00	2.0	3	7.14
4.5	0	0.00	5.4	10	8.81	FORT SMITH	0.3	0	0.00	0.4	2	24.53
14.1	0	0.00	16.4	45	13.00	FORT WAYNE	0.5	0	0.00	0.5	0	0.00
30.3	0	0.00	34.9	55	7.48	FORT WORTH	3.4	0	0.00	3.7	6	7.68
21.6	0	0.00	22.2	21	4.48	FRESNO	1.9	0	0.00	1.4	3	10.03
5.1	0	0.00	5.8	14	11.45	GADSDEN	0.8	0	0.00	0.9	3	15.93
6.9	0	0.00	7.1	11	7.33	GALVESTON	1.7	0	0.00	1.8	1	2.70
30.3	0	0.00	28.7	39	6.44	GARY	4.2	0	0.00	4.0	9	10.64
22.8	0	0.00	26.2	66	11.96	GRAND RAPIDS	0.7	0	0.00	0.7	5	33.67
4.4	0	0.00	4.3	8	8.83	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
7.6	0	0.00	8.6	15	8.44	GREEN BAY	0.1	0	0.00	0.1	0	0.00
10.9	0	0.00	13.0	17	6.22	GREENSBORO	2.4	0	0.00	2.7	8	13.99
9.3	0	0.00	11.2	11	4.66	GREENVILLE	1.7	0	0.00	2.1	2	4.55
10.9	0	0.00	12.2	30	11.70	HAMILTON	0.5	0	0.00	0.6	2	16.63
22.5	0	0.00	26.9	57	10.04	HARRISBURG	1.2	0	0.00	1.4	2	7.01
46.4	0	0.00	52.2	101	9.18	HARTFORD	1.4	0	0.00	1.4	5	16.55
7.0	0	0.00	6.8	14	9.75	HONOLULU	17.2	0	0.00	13.5	17	5.99
94.7	0	0.00	60.0	106	8.37	HOUSTON	12.0	0	0.00	12.7	24	8.96
16.8	0	0.00	18.9	23	5.78	HUNTINGTON	0.6	0	0.00	0.7	1	7.11
4.5	0	0.00	4.8	11	10.86	HUNTSVILLE	1.1	0	0.00	1.2	2	7.71
38.6	0	0.00	46.6	80	8.14	INDIANAPOLIS	5.9	0	0.00	6.5	14	10.22
8.5	0	0.00	9.2	20	10.33	JACKSON MICH	0.5	0	0.00	0.3	0	0.00
6.1	0	0.00	7.5	15	9.43	JACKSON MISS	3.6	0	0.00	4.2	6	6.70
19.0	0	0.00	21.8	25	5.44	JACKSONVILLE	5.7	0	0.00	6.6	11	7.89
46.2	0	0.00	52.5	108	9.76	JERSEY CITY	1.8	0	0.00	2.0	4	9.29
20.7	0	0.00	21.6	34	7.48	JOHNSTOWN	0.2	0	0.00	0.2	0	0.00
10.1	0	0.00	11.6	28	11.43	KALAMAZOO	0.3	0	0.00	0.3	0	0.00
61.4	0	0.00	73.3	131	8.47	KANSAS CITY	7.6	0	0.00	8.2	15	8.65
7.0	0	0.00	7.2	17	11.18	KENOSHA	0.0	0	0.00	0.0	0	0.00
20.7	0	0.00	24.0	35	6.92	KNOXVILLE	1.7	0	0.00	2.0	1	2.33
5.3	0	0.00	5.6	2	1.70	LAKE CHARLES	1.4	0	0.00	1.4	1	3.41
18.7	0	0.00	22.3	30	6.37	LANCASTER	0.2	0	0.00	0.2	0	0.00
17.3	0	0.00	19.4	34	8.30	LANSING	0.4	0	0.00	0.3	0	0.00
3.2	0	0.00	3.9	9	11.02	LAREDO	0.0	0	0.00	0.0	0	0.00
7.3	0	0.00	6.2	9	6.89	LAS VEGAS	0.5	0	0.00	0.4	2	22.88
3.4	0	0.00	3.6	4	5.30	LAWTON	0.4	0	0.00	0.4	0	0.00
6.8	0	0.00	8.0	25	14.76	LEXINGTON	1.5	0	0.00	1.6	2	5.89
6.7	0	0.00	7.5	13	8.22	LIMA	0.4	0	0.00	0.3	2	30.59
9.6	0	0.00	11.9	27	10.73	LINCOLN	0.1	0	0.00	0.1	0	0.00
12.4	0	0.00	14.1	9	3.02	LITTLE ROCK	3.3	0	0.00	3.8	3	3.72
12.3	0	0.00	12.7	35	13.04	LORAIN	0.6	0	0.00	0.6	2	16.76
409.8	0	0.00	494.9	859	8.23	LOS ANGELES	29.3	0	0.00	30.7	49	7.38

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF OVARY, FALLOPIAN TUBE, AND BROAD LIGAMENT (I.S.C. 175)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
39.3	0	0.00	47.4	81	8.10	LOUISVILLE	5.5	0	0.00	6.2	11	8.48
6.9	0	0.00	7.6	12	7.49	LUBBOCK	0.5	0	0.00	0.5	2	20.69
5.5	0	0.00	6.9	12	8.25	LYNCHBURG	1.4	0	0.00	1.6	4	12.04
6.4	0	0.00	7.8	6	3.65	MACON	2.6	0	0.00	3.6	3	3.98
13.0	0	0.00	15.0	29	9.19	MADISON	0.1	0	0.00	0.1	0	0.00
12.8	0	0.00	15.7	31	9.37	MANCHESTER	0.0	0	0.00	0.0	0	0.00
22.4	0	0.00	27.9	30	5.10	MEMPHIS	13.0	0	0.00	14.7	15	4.85
65.9	0	0.00	71.4	126	8.38	MIAMI	5.8	0	0.00	5.9	18	14.47
2.5	0	0.00	2.6	8	14.60	MIDLAND	0.3	0	0.00	0.3	2	37.11
79.5	0	0.00	88.6	198	10.60	MILWAUKEE	2.5	0	0.00	2.3	5	10.42
93.3	0	0.00	110.3	220	9.46	MINNEAPOLIS	1.5	0	0.00	1.4	4	13.53
11.6	0	0.00	12.9	20	7.33	MOBILE	4.7	0	0.00	5.6	9	7.63
4.1	0	0.00	4.6	5	5.13	MONROE	1.8	0	0.00	2.2	5	10.92
5.6	0	0.00	7.0	14	9.50	MONTGOMERY	3.2	0	0.00	4.4	7	7.61
6.6	0	0.00	7.5	7	4.64	MUNCIE	0.4	0	0.00	0.4	0	0.00
8.7	0	0.00	9.1	26	13.55	MUSKEGON	0.6	0	0.00	0.5	1	9.30
19.2	0	0.00	24.0	30	5.92	NASHVILLE	4.6	0	0.00	5.5	9	7.71
112.2	0	0.00	130.2	296	10.78	NEWARK	11.1	0	0.00	12.7	27	10.05
45.7	0	0.00	52.3	111	10.07	NEW HAVEN	1.5	0	0.00	1.6	3	8.78
37.9	0	0.00	46.3	63	6.46	NEW ORLEANS	13.8	0	0.00	16.6	25	7.14
8.1	0	0.00	8.0	12	7.08	NEWPORT NEWS	3.3	0	0.00	3.1	7	10.55
747.2	0	0.00	858.9	1706	9.92	NEW YORK	66.3	0	0.00	79.3	123	7.35
20.4	0	0.00	23.0	48	9.91	NORFOLK	7.7	0	0.00	8.5	15	8.35
3.7	0	0.00	3.4	4	5.58	ODESSA	0.2	0	0.00	0.2	0	0.00
6.1	0	0.00	6.4	13	9.57	OGDEN	0.2	0	0.00	0.1	1	37.62
29.0	0	0.00	33.8	50	7.01	OKLAHOMA CITY	2.4	0	0.00	2.6	8	14.32
28.1	0	0.00	32.0	66	9.79	OMAHA	1.5	0	0.00	1.6	6	18.18
17.7	0	0.00	19.9	25	5.96	ORLANDO	2.7	0	0.00	2.7	8	14.04
82.6	0	0.00	93.1	203	10.34	PATERSON	2.0	0	0.00	2.4	5	10.01
8.0	0	0.00	8.6	16	8.79	PENSACOLA	1.6	0	0.00	2.0	3	7.10
19.2	0	0.00	21.5	41	9.03	PEORIA	0.5	0	0.00	0.5	1	9.34
261.4	0	0.00	306.1	587	9.09	PHILADELPHIA	37.4	0	0.00	41.7	58	6.60
38.2	0	0.00	39.5	55	6.60	PHOENIX	2.0	0	0.00	1.6	4	11.64
163.8	0	0.00	178.6	273	7.25	PITTSBURGH	11.1	0	0.00	10.6	9	4.03
10.4	0	0.00	12.6	28	10.56	PITTSFIELD	0.1	0	0.00	0.1	2	91.68
13.1	0	0.00	16.2	31	9.09	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
62.4	0	0.00	69.5	119	8.12	PORTLAND OREG.	1.5	0	0.00	1.2	2	8.05
52.6	0	0.00	63.9	138	10.25	PROVIDENCE	0.8	0	0.00	0.8	0	0.00
5.1	0	0.00	5.5	6	5.20	PROVO	0.0	0	0.00	0.0	0	0.00
7.9	0	0.00	8.3	16	9.16	PUEBLO	0.2	0	0.00	0.2	0	0.00
9.3	0	0.00	10.1	22	10.29	RACINE	0.2	0	0.00	0.2	0	0.00
6.9	0	0.00	8.2	13	7.49	RALEIGH	2.2	0	0.00	2.5	3	5.59
21.9	0	0.00	24.6	42	8.10	READING	0.3	0	0.00	0.3	0	0.00
5.9	0	0.00	5.5	9	7.81	RENO	0.2	0	0.00	0.1	0	0.00
19.1	0	0.00	24.7	44	8.45	RICHMOND	6.0	0	0.00	7.0	15	10.14
9.4	0	0.00	11.2	18	7.65	ROANOKE	1.3	0	0.00	1.5	2	6.48
41.7	0	0.00	49.4	89	8.54	ROCHESTER	0.9	0	0.00	0.9	0	0.00
13.2	0	0.00	14.4	35	11.52	ROCKFORD	0.3	0	0.00	0.4	0	0.00
28.8	0	0.00	28.7	52	8.59	SACRAMENTO	2.2	0	0.00	1.5	3	9.55
11.0	0	0.00	11.9	29	11.58	SAGINAW	0.8	0	0.00	0.7	1	6.84
7.5	0	0.00	9.2	13	6.69	ST. JOSEPH	0.2	0	0.00	0.3	0	0.00
122.6	0	0.00	146.9	320	10.33	ST. LOUIS	17.2	0	0.00	19.4	20	4.88
20.7	0	0.00	23.1	34	6.97	SALT LAKE CITY	0.4	0	0.00	0.3	0	0.00
4.0	0	0.00	4.6	6	6.17	SAN ANGELO	0.2	0	0.00	0.3	1	18.73
33.8	0	0.00	40.3	74	8.71	SAN ANTONIO	2.5	0	0.00	3.0	5	7.78
53.3	0	0.00	57.2	95	7.88	SAN BERNARDINO	2.0	0	0.00	1.7	1	2.82
55.8	0	0.00	63.5	127	9.49	SAN DIEGO	2.1	0	0.00	1.9	1	2.67
177.0	0	0.00	201.8	391	9.19	SAN FRANCISCO	18.9	0	0.00	15.3	17	5.27
33.8	0	0.00	38.8	68	8.32	SAN JOSE	1.2	0	0.00	0.9	1	5.44
10.5	0	0.00	12.3	34	13.11	SANTA BARBARA	0.4	0	0.00	0.3	0	0.00
6.6	0	0.00	8.1	18	10.52	SAVANNAH	3.4	0	0.00	4.2	6	6.72
18.7	0	0.00	22.8	37	7.71	SCRANTON	0.1	0	0.00	0.1	0	0.00
74.0	0	0.00	80.9	150	8.79	SEATTLE	3.4	0	0.00	2.3	4	8.15
10.6	0	0.00	12.4	29	11.13	SHREVEPORT	5.3	0	0.00	6.5	13	9.53
8.0	0	0.00	9.0	13	6.86	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
5.5	0	0.00	6.2	19	14.53	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
15.1	0	0.00	16.7	37	10.53	SOUTH BEND	0.7	0	0.00	0.7	4	26.58
20.0	0	0.00	21.4	35	7.77	SPOKANE	0.3	0	0.00	0.2	0	0.00
10.5	0	0.00	12.8	30	11.08	SPRINGFIELD I.	0.4	0	0.00	0.5	2	19.45
9.0	0	0.00	10.9	17	7.39	SPRINGFIELD MO	0.2	0	0.00	0.2	0	0.00
8.2	0	0.00	9.5	15	7.49	SPRINGFIELD O.	0.8	0	0.00	0.9	2	10.41
36.7	0	0.00	44.3	68	7.28	SPRINGFIELD MA	0.6	0	0.00	0.7	0	0.00
11.5	0	0.00	11.3	13	5.45	STEUBENVILLE	0.5	0	0.00	0.5	0	0.00
17.3	0	0.00	16.4	22	6.38	STOCKTON	2.4	0	0.00	1.0	3	13.65
37.9	0	0.00	42.8	74	8.20	SYRACUSE	0.6	0	0.00	0.6	1	8.48
21.2	0	0.00	22.5	46	9.69	TACOMA	0.6	0	0.00	0.4	1	11.59
69.2	0	0.00	77.4	127	7.78	TAMPA	4.8	0	0.00	5.1	3	2.80
8.1	0	0.00	9.5	18	9.97	TERRE HAUTE	0.4	0	0.00	0.4	0	0.00
5.3	0	0.00	5.9	10	8.02	TEXARKANA	1.6	0	0.00	1.7	0	0.00
30.5	0	0.00	34.5	79	10.86	TOLEDO	2.3	0	0.00	2.4	5	9.97
8.5	0	0.00	10.3	20	9.20	TOPEKA	0.7	0	0.00	0.7	2	13.00
17.3	0	0.00	19.7	29	6.98	TRENTON	1.7	0	0.00	1.6	5	14.61
15.2	0	0.00	16.7	22	6.24	TUCSON	0.9	0	0.00	0.8	0	0.00
24.4	0	0.00	28.2	40	6.74	TULSA	2.4	0	0.00	2.7	2	3.55
5.0	0	0.00	5.4	2	1.76	TUSCALOOSA	1.5	0	0.00	1.8	0	0.00
4.5	0	0.00	5.1	9	8.38	TYLER	1.4	0	0.00	1.6	2	6.11
24.5	0	0.00	27.6	45	7.72	UTICA	0.2	0	0.00	0.2	0	0.00
8.8	0	0.00	10.0	28	13.31	WACO	1.5	0	0.00	1.8	2	5.40
85.4	0	0.00	106.5	236	10.51	WASHINGTON	25.2	0	0.00	27.9	45	7.65
7.5	0	0.00	8.5	7	3.92	WATERLOO	0.2	0	0.00	0.2	1	23.36
16.5	0	0.00	18.4	26	6.71	W. PALM BEACH	2.9	0	0.00	2.3	2	4.04
15.0	0	0.00	16.6	27	7.69	WHEELING	0.4	0	0.00	0.4	0	0.00
17.6	0	0.00	20.5	32	7.39	WICHITA	0.9	0	0.00	1.0	1	4.96
7.1	0	0.00	8.0	15	8.88	WICHITA FALLS	0.5	0	0.00	0.5	1	9.07
27.9	0	0.00	33.4	49	6.96	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
20.3	0	0.00	22.9	45	9.34	WILMINGTON	2.7	0	0.00	2.6	7	12.92
7.7	0	0.00	9.3	13	6.60	WINSTON-SALEM	2.4	0	0.00	3.0	8	12.45
44.0	0	0.00	52.1	94	8.56	WORCESTER	0.2	0	0.00	0.2	0	0.00
16.7	0	0.00	18.8	37	9.35	YORK	0.3	0	0.00	0.3	0	0.00
32.3	0	0.00	33.9	58	8.12	YOUNGSTOWN	2.7	0	0.00	2.5	6	11.48
6865.1	0	0.00	7865.8	14983	9.03	TOTAL 201 SMSA	688.8	0	0.00	741.3	1179	7.54

ALL AGE STANDARD RATE = 4.74

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF PROSTATE (I.S.C. 177)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
9.8	14	10.37	12.8	0	0.00	ABILENE	0.4	0	0.00	0.4	0	0.00
44.7	100	16.31	56.5	0	0.00	AKRON	2.2	8	26.06	2.4	0	0.00
2.1	3	10.37	3.9	0	0.00	ALBANY GA	1.7	8	34.60	2.6	0	0.00
76.5	171	16.30	104.0	0	0.00	ALBANY NY	1.1	2	13.80	1.2	0	0.00
13.8	30	15.81	16.6	0	0.00	ALBUQUERQUE	0.4	0	0.00	0.3	0	0.00
55.7	130	18.20	70.8	0	0.00	ALLENTOWN	0.3	1	23.49	0.3	0	0.00
18.2	43	17.22	23.3	0	0.00	ALTOONA	0.1	1	61.71	0.1	0	0.00
8.8	12	9.92	11.6	0	0.00	AMARILLO	0.4	0	0.00	0.4	0	0.00
12.1	16	9.07	17.3	0	0.00	ANN ARBOR	0.7	0	0.00	0.8	0	0.00
13.0	31	17.45	16.6	0	0.00	ASHEVILLE	1.5	5	25.06	1.8	0	0.00
94.1	123	16.59	93.8	0	0.00	ATLANTA	13.7	69	36.62	19.5	0	0.00
20.6	38	13.42	26.9	0	0.00	ATLANTIC CITY	3.4	11	23.55	3.9	0	0.00
8.8	16	11.59	13.1	0	0.00	AUGUSTA	4.5	26	41.77	6.3	0	0.00
15.1	35	16.90	20.8	0	0.00	AUSTIN	2.5	9	26.23	3.4	0	0.00
71.6	59	18.52	22.6	0	0.00	BAKERSFIELD	1.8	5	19.95	1.1	0	0.00
117.6	266	16.68	164.7	0	0.00	BALTIMORE	22.3	122	39.96	25.4	0	0.00
7.9	10	9.27	11.5	0	0.00	BATON ROUGE	5.2	16	22.55	6.3	0	0.00
9.8	28	20.93	12.1	0	0.00	BAY CITY	0.1	0	0.00	0.0	0	0.00
16.7	40	17.90	20.7	0	0.00	BEAUMONT	4.3	18	30.62	4.3	0	0.00
7.0	17	17.63	7.6	0	0.00	BILLINGS	0.1	1	97.22	0.1	0	0.00
22.7	51	16.40	30.0	0	0.00	BINGHAMTON	0.2	2	91.92	0.1	0	0.00
35.3	77	15.90	48.8	0	0.00	BIRMINGHAM	17.5	76	30.85	21.9	0	0.00
343.2	790	16.78	503.9	0	0.00	BOSTON	6.9	19	20.06	8.1	0	0.00
64.8	145	16.31	85.9	0	0.00	BRIDGEPORT	1.6	14	62.05	1.9	0	0.00
29.6	81	19.97	40.5	0	0.00	BROCKTON	0.7	3	30.39	0.4	0	0.00
9.8	18	11.21	11.2	0	0.00	BROWNSVILLE	0.1	1	69.79	0.1	0	0.00
124.9	271	15.82	158.4	0	0.00	BUFFALO	4.2	17	29.45	4.1	0	0.00
35.7	79	15.31	43.6	0	0.00	CANTON	1.2	3	18.43	1.1	0	0.00
14.7	31	15.42	19.9	0	0.00	CEDAR RAPIDS	0.1	1	62.40	0.2	0	0.00
8.9	17	13.87	12.7	0	0.00	CHAMPAIGN	0.4	1	18.93	0.4	0	0.00
7.0	12	12.56	10.6	0	0.00	CHARLESTON SC	3.3	7	15.37	5.4	0	0.00
19.2	29	11.02	22.7	0	0.00	CHARLESTON WVA	1.7	0	0.00	1.7	0	0.00
12.9	32	18.14	19.9	0	0.00	CHARLOTTE	3.4	12	25.38	4.5	0	0.00
20.0	33	12.00	26.9	0	0.00	CHATTANOOGA	3.9	9	16.65	5.0	0	0.00
534.1	1162	15.86	677.7	0	0.00	CHICAGO	92.1	221	30.92	60.8	0	0.00
97.4	240	17.94	143.3	0	0.00	CINCINNATI	10.4	55	38.66	11.3	0	0.00
157.4	358	16.58	200.8	0	0.00	CLEVELAND	15.2	69	33.03	17.5	0	0.00
11.3	30	19.35	14.6	0	0.00	COLORADO SPRGS	0.2	3	100.25	0.4	0	0.00
11.7	24	15.01	17.5	0	0.00	COLUMBIA	4.4	19	31.72	5.7	0	0.00
7.3	14	13.97	11.3	0	0.00	COLUMBUS GA	3.3	16	34.82	5.2	0	0.00
51.2	105	14.96	73.9	0	0.00	COLUMBUS OHIO	6.3	19	21.87	6.9	0	0.00
11.8	25	15.41	13.8	0	0.00	CORPUS CHRISTI	0.5	3	40.96	0.7	0	0.00
71.5	163	16.61	103.2	0	0.00	DALLAS	10.9	39	26.14	11.6	0	0.00
29.6	86	20.65	37.6	0	0.00	DAVENPORT	0.5	1	15.84	0.4	0	0.00
53.0	117	16.09	69.9	0	0.00	DAYTON	4.5	11	17.79	4.7	0	0.00
12.6	24	13.87	17.1	0	0.00	DECATUR	0.4	0	0.00	0.4	0	0.00
80.4	175	15.87	110.3	0	0.00	DENVER	2.7	10	26.82	3.1	0	0.00
26.4	55	15.19	37.2	0	0.00	DES MOINES	1.0	6	41.70	1.2	0	0.00
278.3	608	15.95	320.2	0	0.00	DETROIT	30.1	154	37.33	33.0	0	0.00
8.6	23	19.42	13.0	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
38.4	85	16.13	37.9	0	0.00	DULUTH	0.2	0	0.00	0.1	0	0.00
5.6	11	16.39	6.7	0	0.00	DURHAM	2.3	13	41.94	2.9	0	0.00
15.2	20	9.56	20.1	0	0.00	EL PASO	0.4	0	0.00	0.4	0	0.00
25.9	78	20.58	32.3	0	0.00	ERIE	0.3	5	111.63	0.3	0	0.00
15.6	30	14.05	17.1	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
20.3	46	16.55	27.7	0	0.00	EVANSVILLE	1.6	3	13.28	1.7	0	0.00
46.7	95	14.83	67.4	0	0.00	FALL RIVER	0.6	1	11.79	0.5	0	0.00
10.7	34	23.26	11.7	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
26.3	56	15.50	31.3	0	0.00	FLINT	1.2	10	60.43	1.4	0	0.00
40.9	86	15.31	41.0	0	0.00	FT. LAUDERDALE	1.9	14	53.35	2.0	0	0.00
7.4	17	16.71	9.8	0	0.00	FORT SMITH	0.6	1	13.16	0.7	0	0.00
20.6	59	20.83	28.1	0	0.00	FORT WAYNE	0.5	1	14.44	0.6	0	0.00
41.0	69	12.27	55.6	0	0.00	FORT WORTH	4.6	17	26.73	5.3	0	0.00
32.7	67	14.93	36.3	0	0.00	FRESNO	3.2	9	20.27	1.9	0	0.00
7.2	12	12.22	9.0	0	0.00	GADSDEN	1.0	3	21.53	1.2	0	0.00
8.6	17	14.69	10.0	0	0.00	GALVESTON	2.1	3	10.39	2.2	0	0.00
38.9	95	17.80	40.0	0	0.00	GARY	4.6	21	33.56	4.5	0	0.00
35.7	96	19.21	47.4	0	0.00	GRAND RAPIDS	0.9	4	33.33	0.9	0	0.00
6.9	13	13.71	6.9	0	0.00	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
11.5	36	21.58	14.3	0	0.00	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.6	39	20.92	19.1	0	0.00	GREENSBORO	2.8	6	15.61	3.4	0	0.00
11.7	29	18.13	16.6	0	0.00	GREENVILLE	2.2	9	30.37	2.9	0	0.00
15.6	26	12.16	20.1	0	0.00	HAMILTON	0.8	2	19.36	0.7	0	0.00
34.3	86	17.84	47.8	0	0.00	HARRISBURG	1.7	5	22.03	1.9	0	0.00
66.5	146	16.01	85.9	0	0.00	HARTFORD	1.6	14	72.26	1.7	0	0.00
6.6	17	18.92	8.3	0	0.00	HONOLULU	20.6	17	6.01	16.4	0	0.00
61.6	164	19.34	82.4	0	0.00	HOUSTON	14.0	61	31.77	16.1	0	0.00
27.0	41	11.06	32.1	0	0.00	HUNTINGTON	1.1	2	13.41	1.1	0	0.00
5.2	8	12.52	6.7	0	0.00	HUNTSVILLE	1.6	4	17.79	2.0	0	0.00
55.1	116	15.08	79.0	0	0.00	INDIANAPOLIS	8.5	33	28.32	9.4	0	0.00
13.1	45	24.96	17.0	0	0.00	JACKSON MICH	0.5	0	0.00	0.4	0	0.00
7.6	22	21.14	11.7	0	0.00	JACKSON MISS	5.5	19	25.12	6.6	0	0.00
23.5	65	13.94	32.8	0	0.00	JACKSONVILLE	7.1	23	23.61	8.7	0	0.00
66.3	131	14.41	82.9	0	0.00	JERSEY CITY	1.9	6	22.49	2.4	0	0.00
34.3	83	17.62	36.8	0	0.00	JOHNSTOWN	0.3	0	0.00	0.3	0	0.00
15.3	37	17.66	20.3	0	0.00	KALAMAZOO	0.4	0	0.00	0.4	0	0.00
92.0	196	15.56	128.5	0	0.00	KANSAS CITY	11.9	42	25.64	12.9	0	0.00
10.6	23	15.85	11.7	0	0.00	KENOSHA	0.0	1	203.46	0.0	0	0.00
28.0	53	13.77	37.2	0	0.00	KNOXVILLE	2.4	5	15.03	3.0	0	0.00
6.0	13	15.82	7.6	0	0.00	LAKE CHARLES	1.9	5	18.87	2.0	0	0.00
30.5	68	16.23	42.6	0	0.00	LANCASTER	0.3	2	46.22	0.3	0	0.00
26.3	65	18.04	33.8	0	0.00	LANSING	0.4	0	0.00	0.3	0	0.00
4.6	4	6.31	5.9	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
7.4	19	18.64	6.7	0	0.00	LAS VEGAS	0.4	2	33.48	0.4	0	0.00
4.4	9	14.75	5.5	0	0.00	LAWTON	0.4	4	65.87	0.5	0	0.00
10.1	15	10.84	14.3	0	0.00	LEXINGTON	2.4	8	24.15	2.7	0	0.00
10.9	29	19.44	13.7	0	0.00	LIMA	0.4	4	69.90	0.4	0	0.00
16.2	31	13.94	23.3	0	0.00	LINCOLN	0.2	0	0.00	0.2	0	0.00
17.8	37	15.16	23.5	0	0.00	LITTLE ROCK	5.7	28	35.75	6.4	0	0.00
17.6	42	17.40	20.6	0	0.00	LORAIN	0.8	3	28.13	0.8	0	0.00
587.3	1234	15.32	864.9	0	0.00	LOS ANGELES	33.6	111	24.09	37.3	0	0.00

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF PROSTATE (I.S.C. 177)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
56.1	106	13.52	82.0	0	0.00	LOUISVILLE	8.1	46	41.25	9.7	0	0.00
8.5	16	13.71	11.0	0	0.00	LUBBOCK	0.6	0	0.00	0.4	0	0.00
8.4	16	13.87	12.2	0	0.00	LYNCHBURG	2.2	10	33.23	2.6	0	0.00
7.6	13	12.41	11.8	0	0.00	MACON	3.5	20	42.21	5.4	0	0.00
19.9	39	14.27	26.6	0	0.00	MADISON	0.1	1	72.68	0.1	0	0.00
20.1	51	18.48	28.5	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
29.2	65	16.20	45.6	0	0.00	MEMPHIS	19.9	65	24.16	22.4	0	0.00
101.9	207	14.81	110.8	0	0.00	MIAMI	5.2	25	35.13	5.6	0	0.00
2.1	2	6.82	2.8	0	0.00	MIDLAND	0.2	1	31.78	0.2	0	0.00
113.6	249	15.59	144.8	0	0.00	MILWAUKEE	2.5	4	11.87	2.3	0	0.00
142.9	306	15.61	192.0	0	0.00	MINNEAPOLIS	2.1	6	21.22	2.1	0	0.00
14.1	30	15.49	19.2	0	0.00	MOBILE	5.8	29	36.49	7.8	0	0.00
5.9	14	17.44	7.2	0	0.00	MONROE	3.2	17	39.19	3.5	0	0.00
6.9	12	14.64	11.3	0	0.00	MONTGOMERY	4.8	19	28.59	7.4	0	0.00
10.3	18	12.75	13.3	0	0.00	MUNCIE	0.5	1	13.90	0.5	0	0.00
12.3	23	13.65	14.5	0	0.00	MUSKEGON	0.6	2	26.05	0.5	0	0.00
26.8	50	13.62	40.6	0	0.00	NASHVILLE	6.7	26	28.40	8.3	0	0.00
157.0	352	16.34	215.1	0	0.00	NEWARK	12.0	53	32.06	15.4	0	0.00
69.9	167	17.43	99.5	0	0.00	NEW HAVEN	1.9	5	18.91	2.0	0	0.00
47.5	96	14.74	73.3	0	0.00	NEW ORLEANS	17.4	64	26.78	24.1	0	0.00
9.1	16	11.24	10.9	0	0.00	NEWPORT NEWS	4.0	14	25.26	4.0	0	0.00
1058.7	1999	13.76	1339.1	0	0.00	NEW YORK	70.0	255	26.54	90.2	0	0.00
23.5	55	17.05	33.7	0	0.00	NORFOLK	9.6	35	26.69	11.1	0	0.00
2.8	9	23.30	3.2	0	0.00	ODESSA	0.1	2	106.37	0.1	0	0.00
8.7	22	18.43	10.1	0	0.00	OGDEN	0.3	1	27.75	0.1	0	0.00
41.5	94	16.50	55.8	0	0.00	OKLAHOMA CITY	3.4	14	29.89	3.6	0	0.00
43.0	92	15.59	55.0	0	0.00	OMAHA	2.2	10	32.49	2.5	0	0.00
29.6	52	15.26	35.2	0	0.00	ORLANDO	3.4	10	21.63	3.4	0	0.00
110.7	219	16.42	145.1	0	0.00	PATERSON	2.1	9	31.30	2.7	0	0.00
10.0	18	13.13	12.4	0	0.00	PENSACOLA	2.2	9	29.81	2.8	0	0.00
28.7	67	17.04	37.7	0	0.00	PEORIA	0.6	1	11.59	0.7	0	0.00
377.1	895	17.30	514.9	0	0.00	PHILADELPHIA	45.4	184	29.53	54.0	0	0.00
53.1	122	16.74	57.3	0	0.00	PHOENIX	2.8	8	20.84	2.1	0	0.00
247.5	563	16.58	289.9	0	0.00	PITTSBURGH	15.0	56	26.18	14.2	0	0.00
16.7	31	13.50	23.8	0	0.00	PITTSFIELD	0.2	1	44.45	0.2	0	0.00
22.0	63	20.90	31.7	0	0.00	PORTLAND MAINE	0.1	1	109.39	0.1	0	0.00
103.3	267	18.85	126.8	0	0.00	PORTLAND OREG.	2.0	4	14.75	1.3	0	0.00
81.2	178	15.97	112.6	0	0.00	PROVIDENCE	1.2	8	47.33	1.2	0	0.00
7.2	25	25.33	9.7	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
13.0	14	7.83	15.2	0	0.00	PUEBLO	0.4	0	0.00	0.4	0	0.00
14.5	23	11.59	17.4	0	0.00	RACINE	0.2	0	0.00	0.1	0	0.00
8.9	14	11.50	12.5	0	0.00	RALEIGH	2.9	8	20.17	3.7	0	0.00
34.2	70	14.93	42.3	0	0.00	READING	0.3	0	0.00	0.3	0	0.00
8.0	24	21.74	7.9	0	0.00	RENO	0.2	2	62.01	0.2	0	0.00
25.8	57	16.09	41.9	0	0.00	RICHMOND	7.8	23	21.41	9.7	0	0.00
13.6	30	16.10	18.8	0	0.00	ROANOKE	1.7	8	33.65	2.1	0	0.00
66.4	143	15.71	90.2	0	0.00	ROCHESTER	0.9	3	24.31	1.0	0	0.00
19.6	46	17.08	24.4	0	0.00	ROCKFORD	0.4	1	20.21	0.4	0	0.00
39.4	93	17.19	44.3	0	0.00	SACRAMENTO	2.8	2	5.24	1.6	0	0.00
16.4	39	17.32	20.4	0	0.00	SAGINAW	0.7	2	22.11	0.7	0	0.00
13.8	38	20.03	18.8	0	0.00	ST. JOSEPH	0.4	2	33.13	0.6	0	0.00
179.9	385	15.60	254.1	0	0.00	ST. LOUIS	23.9	111	33.83	27.9	0	0.00
29.8	82	20.03	38.5	0	0.00	SALT LAKE CITY	0.6	1	11.23	0.3	0	0.00
6.3	16	18.57	7.8	0	0.00	SAN ANGELO	0.3	0	0.00	0.4	0	0.00
46.8	73	11.37	64.8	0	0.00	SAN ANTONIO	3.3	19	42.25	4.5	0	0.00
87.5	172	14.33	100.1	0	0.00	SAN BERNARDINO	2.5	4	11.85	2.4	0	0.00
80.2	179	16.27	106.5	0	0.00	SAN DIEGO	2.2	5	16.77	2.1	0	0.00
256.7	568	16.13	343.3	0	0.00	SAN FRANCISCO	19.2	45	17.08	15.5	0	0.00
47.3	96	14.80	64.9	0	0.00	SAN JOSE	1.5	2	9.62	1.0	0	0.00
16.1	38	17.22	22.3	0	0.00	SANTA BARBARA	0.5	0	0.00	0.4	0	0.00
8.1	17	15.37	12.7	0	0.00	SAVANNAH	4.3	13	22.27	5.9	0	0.00
28.6	53	13.50	38.3	0	0.00	SCRANTON	0.1	0	0.00	0.1	0	0.00
117.4	291	18.06	142.5	0	0.00	SEATTLE	4.7	9	14.09	2.8	0	0.00
14.2	41	21.07	19.1	0	0.00	SHREVEPORT	9.0	30	24.36	11.0	0	0.00
14.1	42	21.69	16.5	0	0.00	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
8.9	26	21.24	10.8	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
21.9	49	16.30	27.0	0	0.00	SOUTH BEND	0.9	7	57.95	0.8	0	0.00
35.5	103	21.14	40.4	0	0.00	SPOKANE	0.5	0	0.00	0.3	0	0.00
17.4	36	14.25	23.6	0	0.00	SPRINGFIELD I.	0.7	4	39.42	0.9	0	0.00
16.0	39	17.75	21.4	0	0.00	SPRINGFIELD MO	0.3	2	42.14	0.4	0	0.00
13.6	21	11.23	18.0	0	0.00	SPRINGFIELD O.	1.2	2	12.02	1.6	0	0.00
56.9	138	17.68	80.4	0	0.00	SPRINGFIELD MA	0.7	2	19.53	1.0	0	0.00
17.3	39	16.39	17.7	0	0.00	STEUBENVILLE	0.6	4	45.96	0.6	0	0.00
27.9	52	13.56	27.7	0	0.00	STOCKTON	3.1	6	14.11	1.3	0	0.00
60.0	138	16.77	77.5	0	0.00	SYRACUSE	0.7	1	11.05	0.7	0	0.00
34.9	91	19.00	40.4	0	0.00	TACOMA	0.5	1	13.65	0.4	0	0.00
141.0	286	14.78	150.6	0	0.00	TAMPA	6.1	29	34.78	6.6	0	0.00
14.2	36	17.39	18.1	0	0.00	TERRE HAUTE	0.6	0	0.00	0.7	0	0.00
8.5	13	11.16	10.1	0	0.00	TEXARKANA	2.8	19	50.12	3.0	0	0.00
46.1	93	14.72	60.4	0	0.00	TOLEDO	2.9	13	32.63	3.1	0	0.00
14.0	27	14.07	19.8	0	0.00	TOPEKA	1.1	3	19.85	1.2	0	0.00
25.0	46	12.83	32.5	0	0.00	TRENTON	1.8	8	32.70	1.9	0	0.00
20.9	50	17.46	24.2	0	0.00	TUCSON	1.3	1	5.66	1.1	0	0.00
35.6	83	16.98	45.9	0	0.00	TULSA	3.7	15	29.84	4.1	0	0.00
7.3	10	10.01	9.2	0	0.00	TUSCALOOSA	2.5	1	2.93	2.8	0	0.00
6.5	19	21.15	8.3	0	0.00	TYLER	2.2	10	32.82	2.5	0	0.00
41.4	68	11.97	52.2	0	0.00	UTICA	0.3	1	27.96	0.2	0	0.00
13.7	27	14.40	17.8	0	0.00	WACO	2.6	11	30.96	3.1	0	0.00
100.4	228	16.56	162.9	0	0.00	WASHINGTON	28.0	123	31.99	35.5	0	0.00
11.8	30	18.60	15.2	0	0.00	WATERLOO	0.3	1	25.03	0.3	0	0.00
29.7	56	13.75	32.4	0	0.00	W. PALM BEACH	3.4	11	23.79	2.5	0	0.00
26.4	69	19.04	31.2	0	0.00	WHEELING	0.7	1	10.61	0.6	0	0.00
23.8	55	16.83	33.5	0	0.00	WICHITA	1.2	3	17.64	1.3	0	0.00
10.3	27	19.06	12.9	0	0.00	WICHITA FALLS	0.6	4	45.61	0.7	0	0.00
40.3	64	11.57	53.6	0	0.00	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
27.9	49	12.81	37.1	0	0.00	WILMINGTON	3.5	15	31.47	3.4	0	0.00
9.6	16	10.65	13.7	0	0.00	WINSTON-SALEM	2.9	19	48.08	3.9	0	0.00
71.8	147	14.93	97.8	0	0.00	WORCESTER	0.4	0	0.00	0.4	0	0.00
26.0	57	15.97	32.4	0	0.00	YORK	0.3	1	22.05	0.4	0	0.00
49.6	114	16.75	55.1	0	0.00	YOUNGSTOWN	3.4	12	25.70	5.0	0	0.00
9962.7	21592	15.80	13060.7	0	0.00	TOTAL 201 SMSA	846.8	3247	27.95	967.8	0	0.00

ALL AGE STANDARD RATE = 7.29

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF KIDNEY (I.S.C. 180)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
4.0	3	2.15	4.7	3	1.84	ABILENE	0.2	2	33.21	0.2	0	0.00
19.5	35	5.17	21.4	18	2.42	AKRON	1.2	1	2.34	1.2	1	2.34
1.2	1	2.47	1.4	0	0.00	ALBANY GA	0.7	0	0.00	1.0	0	0.00
29.8	40	4.74	35.0	22	1.77	ALBANY NY	0.5	0	0.00	0.5	0	0.00
7.1	9	3.68	7.7	6	2.25	ALBUQUERQUE	0.2	0	0.00	0.2	0	0.00
22.1	32	4.18	25.3	16	1.82	ALLENTOWN	0.2	0	0.00	0.1	0	0.00
6.7	5	2.14	7.9	5	1.83	ALTOONA	0.0	1	58.63	0.1	0	0.00
4.3	11	7.30	4.8	5	2.98	AMARILLO	0.2	0	0.00	0.2	0	0.00
5.2	8	4.47	6.1	6	1.88	ANN ARBOR	0.4	3	22.80	0.4	1	7.80
5.0	8	4.60	5.9	3	1.46	ASHEVILLE	0.6	1	4.72	0.7	0	0.00
25.5	33	3.74	32.4	16	1.42	ATLANTA	6.6	5	2.17	8.6	1	0.34
7.4	10	3.89	8.9	3	0.97	ATLANTIC CITY	1.3	0	0.00	1.5	0	0.00
4.4	4	2.60	5.3	1	0.54	AUGUSTA	1.9	3	4.44	2.5	1	1.14
6.3	8	3.67	7.5	4	1.53	AUSTIN	1.0	1	2.99	1.2	1	2.34
9.7	9	2.67	9.6	6	1.80	BAKERSFIELD	0.8	1	3.40	0.6	0	0.00
52.4	68	3.74	63.0	42	1.92	BALTIMORE	11.5	15	3.75	12.1	9	2.15
4.3	4	2.67	5.0	3	1.71	BATON ROUGE	2.2	0	0.00	2.6	0	0.00
4.0	7	5.01	4.5	3	1.94	BAY CITY	0.0	0	0.00	0.0	0	0.00
8.3	15	5.22	9.9	7	2.27	BEAUMONT	2.0	1	1.42	2.1	0	0.00
2.9	5	5.03	3.0	3	2.91	BILLINGS	0.0	0	0.00	0.0	0	0.00
9.2	13	4.08	10.7	2	0.54	BINGHAMTON	0.1	1	43.34	0.1	0	0.00
15.4	15	2.81	18.7	5	0.77	BIRMINGHAM	7.8	6	2.22	9.1	0	0.00
133.2	207	4.48	170.8	110	1.86	BOSTON	3.0	1	0.96	3.2	3	2.68
26.9	41	4.40	31.3	31	2.86	BRIDGEPORT	0.9	0	0.00	1.0	2	5.67
10.9	22	5.80	13.1	6	1.32	BROCKTON	0.2	0	0.00	0.2	0	0.00
4.4	6	3.96	4.7	2	1.23	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
52.1	94	5.20	59.3	42	2.04	BUFFALO	2.5	2	2.32	2.3	2	2.47
14.0	10	2.07	15.4	9	1.69	CANTON	0.6	0	0.00	0.6	0	0.00
5.6	10	5.18	6.6	5	2.18	CEDAR RAPIDS	0.0	0	0.00	0.1	0	0.00
3.7	9	7.10	4.5	0	0.00	CHAMPAIGN	0.2	0	0.00	0.2	0	0.00
3.7	4	3.12	4.5	3	1.94	CHARLESTON SC	1.9	2	3.09	2.5	3	3.52
8.5	13	4.42	9.3	7	2.17	CHARLESTON WVA	0.7	1	4.38	0.7	0	0.00
6.3	7	3.18	8.0	6	2.16	CHARLOTTE	1.8	1	1.62	2.1	1	1.35
8.6	7	2.35	10.4	3	0.83	CHATTANOOGA	1.8	2	3.20	2.2	1	1.32
230.9	385	4.81	261.2	171	1.89	CHICAGO	27.4	25	2.63	29.3	15	1.47
39.3	60	4.40	49.6	34	1.98	CINCINNATI	4.7	4	2.46	5.0	4	2.30
66.0	100	4.37	76.0	51	1.93	CLEVELAND	8.0	7	2.53	8.4	5	1.71
4.6	5	3.15	5.7	2	1.01	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
5.5	5	2.61	6.8	2	0.85	COLUMBIA	2.1	0	0.00	2.5	1	1.17
3.9	5	3.70	4.8	3	1.79	COLUMBUS GA	1.6	2	3.52	2.2	3	3.87
21.5	35	4.69	26.5	20	2.18	COLUMBUS OHIO	2.8	7	7.13	3.0	1	0.97
6.1	9	4.29	6.4	6	2.72	CORPUS CHRISTI	0.3	1	9.27	0.3	0	0.00
32.4	34	3.03	39.7	23	1.67	DALLAS	4.9	6	3.50	5.3	6	3.28
11.6	18	4.46	13.1	11	2.42	DAVENPORT	0.2	0	0.00	0.2	0	0.00
22.6	36	4.59	26.1	17	1.88	DAYTON	2.2	3	3.96	2.2	2	2.60
4.8	5	3.02	5.8	4	1.99	DECATUR	0.2	0	0.00	0.2	0	0.00
32.8	44	3.87	39.2	29	2.13	DENVER	1.2	0	0.00	1.3	0	0.00
10.4	10	2.77	12.8	12	2.69	DES MOINES	0.4	1	6.94	0.5	0	0.00
128.2	187	4.21	133.3	115	2.49	DETROIT	17.2	28	4.70	17.3	11	1.83
3.2	7	6.35	4.1	7	4.93	DUBUQUE	0.0	0	0.00	0.0	0	0.00
13.8	20	4.19	13.7	17	3.58	DULUTH	0.1	1	41.02	0.1	0	0.00
2.6	3	3.35	3.3	2	1.73	DURHAM	1.1	1	2.62	1.3	0	0.00
7.7	12	4.51	8.9	9	2.92	EL PASO	0.2	0	0.00	0.2	0	0.00
10.2	6	1.69	11.6	8	1.99	ERIE	0.2	1	15.40	0.2	0	0.00
6.3	8	3.64	6.5	6	2.66	EUGENE	0.0	0	0.00	0.0	0	0.00
8.0	19	6.89	9.7	7	2.08	EVANSVILLE	0.6	2	9.50	0.7	0	0.00
18.1	31	4.95	23.0	12	1.51	FALL RIVER	0.2	0	0.00	0.2	0	0.00
4.2	5	3.42	4.4	2	1.31	FARGO	0.0	0	0.00	0.0	0	0.00
12.0	21	5.03	12.8	8	1.81	FLINT	0.8	0	0.00	0.8	0	0.00
15.9	17	3.08	16.6	9	1.56	FT. LAUDERDALE	1.2	1	2.36	1.2	0	0.00
2.8	0	0.00	3.3	0	0.00	FORT SMITH	0.2	0	0.00	0.2	0	0.00
8.6	11	3.70	10.2	3	0.85	FORT WAYNE	0.3	1	9.94	0.3	0	0.00
18.1	16	2.55	21.3	16	2.17	FORT WORTH	2.1	5	6.94	2.3	3	3.83
13.2	15	3.28	13.7	12	2.52	FRESNO	1.2	0	0.00	0.9	0	0.00
3.1	0	0.00	3.5	2	1.65	GADSDEN	0.5	1	6.13	0.5	1	5.32
4.0	4	2.85	4.2	7	4.78	GALVESTON	1.0	0	0.00	1.0	0	0.00
18.0	16	2.56	17.3	16	2.67	GARY	2.5	4	4.59	2.4	3	3.57
14.1	18	3.67	16.5	13	2.27	GRAND RAPIDS	0.4	1	6.70	0.4	0	0.00
2.7	3	3.16	2.7	1	1.07	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
4.7	9	5.54	5.3	4	2.18	GREEN BAY	0.0	0	0.00	0.0	0	0.00
6.4	6	2.71	7.8	4	1.49	GREENSBORO	1.5	3	5.96	1.6	0	0.00
5.5	7	3.69	6.7	4	1.71	GREENVILLE	1.0	2	5.60	1.3	0	0.00
6.6	7	3.05	7.5	6	2.31	HAMILTON	0.3	1	8.66	0.3	1	8.35
13.6	17	3.60	16.7	7	1.21	HARRISBURG	0.8	1	3.84	0.8	1	3.51
27.8	42	4.35	31.9	32	2.89	HARTFORD	0.8	3	10.71	0.9	0	0.00
4.0	4	2.88	4.1	1	0.71	HONOLULU	10.1	10	2.87	8.1	3	1.07
31.6	41	3.74	35.7	23	1.86	HOUSTON	7.2	3	1.20	7.6	6	2.27
10.3	19	5.32	11.6	6	1.49	HUNTINGTON	0.4	0	0.00	0.4	1	7.02
2.6	4	4.40	2.9	1	0.99	HUNTSVILLE	0.7	0	0.00	0.8	0	0.00
23.2	30	3.72	28.8	19	1.90	INDIANAPOLIS	3.6	5	3.97	3.9	4	2.92
5.2	6	3.32	5.8	1	0.50	JACKSON MICH	0.3	0	0.00	0.2	0	0.00
3.5	4	3.25	4.5	3	1.90	JACKSON MISS	2.3	2	2.49	2.7	0	0.00
11.2	8	2.06	13.2	9	1.97	JACKSONVILLE	3.4	3	2.54	4.0	0	0.00
27.7	37	3.86	31.8	17	1.54	JERSEY CITY	1.1	2	5.24	1.2	2	4.72
12.8	14	3.16	13.3	5	1.08	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
6.2	10	4.67	7.2	6	2.39	KALAMAZOO	0.2	0	0.00	0.2	2	32.92
37.3	50	3.87	45.4	26	1.65	KANSAS CITY	4.8	1	0.60	5.1	4	2.26
4.3	4	2.69	4.5	8	5.17	KENOSHA	0.0	0	0.00	0.0	0	0.00
12.3	13	3.06	14.5	10	1.99	KNOXVILLE	1.0	1	2.77	1.2	2	4.69
3.1	4	3.66	3.4	1	0.85	LAKE CHARLES	0.9	0	0.00	0.9	0	0.00
11.5	11	2.76	14.1	10	2.05	LANCASTER	0.1	0	0.00	0.1	0	0.00
10.7	9	2.44	12.1	17	4.04	LANSING	0.2	1	13.27	0.2	1	14.78
2.0	4	5.71	2.4	4	4.78	LAREDO	0.0	0	0.00	0.0	0	0.00
4.1	4	2.79	3.5	1	0.82	LAS VEGAS	0.3	1	9.87	0.3	0	0.00
2.0	6	8.47	2.2	1	1.30	LAWTON	0.2	0	0.00	0.2	0	0.00
4.1	3	2.10	5.0	2	1.16	LEXINGTON	0.9	0	0.00	1.0	2	5.76
4.1	7	4.90	4.7	1	0.61	LIMA	0.2	0	0.00	0.2	0	0.00
6.0	7	3.35	7.6	4	1.51	LINCOLN	0.1	0	0.00	0.1	0	0.00
7.4	10	3.89	8.6	1	0.33	LITTLE ROCK	2.1	4	5.42	2.4	0	0.00
7.5	10	3.87	7.9	5	1.83	LORAIN	0.4	1	7.72	0.4	0	0.00
245.0	348	4.10	305.8	208	1.96	LOS ANGELES	17.2	21	3.53	18.1	10	1.59

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF KIDNEY (I.S.C. 180)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
23.7	25	3.04	29.4	19	1.86	LOUISVILLE	3.4	3	2.56	3.9	0	0.00
4.1	5	3.49	4.6	3	1.87	LUBBOCK	0.3	1	9.16	0.3	0	0.00
3.2	3	2.59	4.3	3	2.03	LYNCHBURG	0.9	0	0.00	1.0	0	0.00
3.7	3	2.31	4.7	2	1.22	MACON	1.6	0	0.00	2.2	0	0.00
8.0	20	7.20	9.4	6	1.84	MADISON	0.1	0	0.00	0.0	0	0.00
7.8	7	2.57	9.8	8	2.35	MANCHESTER	0.0	0	0.00	0.0	0	0.00
13.3	14	3.05	17.0	11	1.86	MEMPHIS	8.2	5	1.76	9.1	9	2.86
40.1	54	3.89	43.2	27	1.80	MIAMI	3.3	4	3.44	3.4	1	0.84
1.4	0	0.00	1.5	0	0.00	MIDLAND	0.2	0	0.00	0.1	0	0.00
48.1	69	4.14	56.4	28	1.48	MILWAUKEE	1.5	3	5.75	1.4	0	0.00
57.7	101	5.05	69.2	76	3.17	MINNEAPOLIS	0.9	3	9.43	0.9	0	0.00
6.8	7	2.97	7.8	10	3.70	MOBILE	2.9	3	3.02	3.4	1	0.84
2.5	2	2.32	2.8	0	0.00	MONROE	1.2	0	0.00	1.4	0	0.00
3.3	2	1.74	4.3	2	1.35	MONTGOMERY	2.0	1	1.42	2.8	0	0.00
4.0	10	7.12	4.7	3	1.86	MUNCIE	0.2	0	0.00	0.2	0	0.00
[illegible]	10	5.49	5.6	2	1.03	MUSKEGON	0.3	1	8.40	0.3	0	0.00
11.4	17	4.28	14.7	8	1.57	NASHVILLE	2.8	1	1.03	3.4	4	3.44
66.5	121	5.24	79.0	64	2.34	NEWARK	6.5	8	3.56	7.5	10	3.86
27.7	34	3.54	32.1	20	1.80	NEW HAVEN	0.9	1	3.12	1.0	0	0.00
22.3	34	4.41	28.1	24	2.46	NEW ORLEANS	8.5	8	2.73	10.2	4	1.13
4.7	4	2.44	4.8	6	3.61	NEWPORT NEWS	2.0	1	1.46	1.9	2	3.05
446.5	639	4.13	517.9	409	2.28	NEW YORK	38.1	50	3.78	45.3	36	2.29
11.9	27	6.52	13.9	8	1.65	NORFOLK	4.6	8	4.98	5.1	3	1.69
2.0	0	0.00	1.9	1	1.46	ODESSA	0.1	0	0.00	0.1	0	0.00
3.7	5	3.85	4.0	1	0.72	OGDEN	0.1	0	0.00	0.1	0	0.00
17.5	19	3.14	20.7	13	1.81	OKLAHOMA CITY	1.5	1	1.93	1.6	1	1.77
17.3	18	3.00	20.0	15	2.17	OMAHA	0.9	1	3.07	1.0	0	0.00
11.0	11	2.88	12.5	6	1.38	ORLANDO	1.6	0	0.00	1.6	0	0.00
48.5	74	4.40	56.0	47	2.42	PATERSON	1.2	2	4.95	1.4	0	0.00
4.8	6	3.63	5.2	1	0.55	PENSACOLA	1.0	0	0.00	1.2	1	2.34
11.6	27	6.69	13.4	7	1.51	PEORIA	0.3	0	0.00	0.3	0	0.00
156.9	200	3.67	187.8	131	2.01	PHILADELPHIA	22.2	30	3.89	24.7	15	1.75
23.1	28	3.50	23.9	19	2.29	PHOENIX	1.2	5	11.68	1.0	1	2.87
99.1	117	3.41	108.6	79	2.10	PITTSBURGH	6.7	10	4.28	6.3	8	3.64
6.4	11	4.98	7.9	4	1.46	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
8.1	13	4.64	10.2	10	2.82	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
38.4	30	2.25	43.4	29	1.93	PORTLAND OREG.	0.9	1	3.20	0.7	0	0.00
32.0	48	4.33	39.5	22	1.61	PROVIDENCE	0.5	0	0.00	0.5	1	5.79
3.2	1	0.91	3.6	2	1.68	PROVO	0.0	0	0.00	0.0	0	0.00
4.9	4	2.36	5.2	5	2.77	PUEBLO	0.1	1	23.53	0.1	0	0.00
5.8	4	2.00	6.3	5	2.28	RACINE	0.1	0	0.00	0.1	0	0.00
4.1	1	0.71	5.0	2	1.16	RALEIGH	1.3	0	0.00	1.6	0	0.00
13.2	18	3.92	15.1	8	1.53	READING	0.2	0	0.00	0.2	0	0.00
3.5	10	8.34	3.2	1	0.89	RENO	0.1	0	0.00	0.1	0	0.00
11.3	15	3.84	15.1	6	1.15	RICHMOND	3.6	2	1.60	4.2	3	2.05
5.7	11	5.60	6.8	5	2.11	ROANOKE	0.8	0	0.00	0.9	1	3.25
25.6	54	6.08	30.8	24	2.26	ROCHESTER	0.6	1	5.11	0.6	2	9.94
8.1	15	5.36	8.9	8	2.58	ROCKFORD	0.2	0	0.00	0.2	0	0.00
17.2	28	4.69	17.5	8	1.32	SACRAMENTO	1.3	2	4.51	0.9	1	3.19
6.7	8	3.43	7.4	10	3.89	SAGINAW	0.5	0	0.00	0.4	0	0.00
4.7	9	5.49	5.9	3	1.47	ST. JOSEPH	0.1	0	0.00	0.2	2	33.13
74.2	99	3.85	90.9	67	2.13	ST. LOUIS	10.6	9	2.45	11.8	7	1.71
12.8	12	2.71	14.5	3	0.60	SALT LAKE CITY	0.2	0	0.00	0.2	0	0.00
2.5	4	4.65	2.8	0	0.00	SAN ANGELO	0.1	0	0.00	0.2	0	0.00
20.7	35	4.89	25.0	24	2.77	SAN ANTONIO	1.5	1	1.90	1.8	0	0.00
33.1	36	3.13	35.8	18	1.45	SAN BERNARDINO	1.2	3	7.19	1.0	1	2.75
33.6	39	3.35	39.1	27	1.99	SAN DIEGO	1.3	0	0.00	1.2	2	4.91
105.8	157	4.28	123.5	61	1.42	SAN FRANCISCO	10.8	14	3.73	8.8	6	1.96
20.4	31	4.38	24.0	16	1.92	SAN JOSE	0.7	0	0.00	0.5	0	0.00
6.4	8	[illegible]	7.7	7	2.62	SANTA BARBARA	0.2	0	0.00	0.2	0	0.00
3.9	6	4.47	5.0	1	0.58	SAVANNAH	2.1	2	2.81	2.6	2	2.26
11.3	16	4.07	14.0	9	1.86	SCRANTON	0.0	0	0.00	0.0	0	0.00
45.2	66	4.21	50.3	23	1.32	SEATTLE	2.0	3	4.26	1.4	1	2.06
6.3	8	3.65	7.5	2	0.77	SHREVEPORT	3.5	2	1.67	4.1	3	2.11
5.1	9	5.13	5.7	2	1.02	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
3.5	2	1.67	3.9	2	1.48	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
9.1	10	3.16	10.2	6	1.70	SOUTH BEND	0.4	0	0.00	0.4	0	0.00
12.5	19	4.38	13.5	6	1.28	SPOKANE	0.2	0	0.00	0.2	0	0.00
6.5	5	2.22	8.0	7	2.52	SPRINGFIELD I.	0.3	0	0.00	0.3	0	0.00
5.6	8	4.10	6.9	1	0.42	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
5.1	5	2.85	6.0	4	1.94	SPRINGFIELD O.	0.5	0	0.00	0.6	0	0.00
22.4	26	3.34	27.7	20	2.08	SPRINGFIELD MA	0.4	0	0.00	0.4	1	6.65
7.0	8	3.32	6.8	6	2.53	STEUBENVILLE	0.3	0	0.00	0.3	1	10.40
10.6	18	4.90	10.1	5	1.43	STOCKTON	1.4	2	4.10	0.6	0	0.00
23.4	33	4.07	26.8	11	1.18	SYRACUSE	0.4	0	0.00	0.3	0	0.00
13.1	16	3.53	14.1	13	2.66	TACOMA	0.3	0	0.00	0.3	0	0.00
45.2	58	3.70	49.7	35	2.03	TAMPA	2.9	6	6.00	3.1	1	0.94
5.1	7	3.99	6.0	4	1.92	TERRE HAUTE	0.2	1	12.34	0.2	0	0.00
3.3	3	2.66	3.6	3	2.39	TEXARKANA	1.0	1	2.85	1.1	2	5.27
18.6	32	4.96	21.4	19	2.56	TOLEDO	1.4	3	6.15	1.4	2	4.01
5.3	7	3.82	6.6	2	0.88	TOPEKA	0.4	0	0.00	0.5	0	0.00
10.3	19	5.31	12.0	7	1.68	TRENTON	1.0	0	0.00	1.0	1	3.01
9.2	20	6.26	10.1	7	1.99	TUCSON	0.6	0	0.00	0.5	0	0.00
14.7	17	3.34	17.2	10	1.67	TULSA	1.5	2	3.89	1.6	1	1.76
3.0	0	0.00	3.3	2	1.73	TUSCALOOSA	1.0	1	2.92	1.1	0	0.00
2.7	3	3.22	3.1	1	0.93	TYLER	0.9	0	0.00	1.0	0	0.00
15.2	20	3.80	17.4	15	2.49	UTICA	0.1	0	0.00	0.1	0	0.00
5.4	11	5.91	6.2	4	1.85	WACO	1.0	0	0.00	1.1	4	10.40
49.2	58	3.40	63.6	36	1.63	WASHINGTON	14.6	22	4.34	16.4	11	1.93
4.6	7	4.39	5.3	6	3.26	WATERLOO	0.1	0	0.00	0.1	0	0.00
10.5	12	3.31	11.5	6	1.50	W. PALM BEACH	1.7	2	3.43	1.4	1	2.09
9.3	17	5.26	10.4	5	1.39	WHEELING	0.2	0	0.00	0.2	0	0.00
10.6	16	4.37	12.6	11	2.51	WICHITA	0.6	1	4.90	0.6	1	4.81
4.3	5	3.35	4.9	1	0.58	WICHITA FALLS	0.3	0	0.00	0.3	0	0.00
16.7	22	3.80	20.2	14	2.00	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
12.1	13	3.09	14.0	11	2.27	WILMINGTON	1.6	2	3.60	1.5	2	3.75
4.6	5	3.17	5.6	2	1.03	WINSTON-SALEM	1.5	1	1.98	1.8	1	1.60
27.0	41	4.37	32.7	19	1.68	WORCESTER	0.1	0	0.00	0.1	0	0.00
10.2	3	0.85	11.6	9	2.24	YORK	0.2	1	17.21	0.2	0	0.00
19.7	24	3.51	20.8	11	1.53	YOUNGSTOWN	1.6	4	7.03	1.5	0	0.00
4130.3	5796	4.04	4829.9	3297	1.97	TOTAL 201 SMSA	412.5	457	3.19	446.3	277	1.80

ALL AGE STANDARD RATE = 2.88

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF BLADDER AND OTHER URINARY ORGANS (I.S.C. 181)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
6.2	4	2.95	7.9	2	1.17	ABILENE	0.3	0	0.00	0.3	1	17.10
29.3	53	8.33	34.4	25	3.35	AKRON	1.6	5	14.56	1.6	2	5.62
1.5	0	0.00	1.9	0	0.00	ALBANY GA	1.1	2	8.69	1.6	0	0.00
48.2	86	8.21	63.0	36	2.63	ALBANY NY	0.7	0	0.00	0.8	0	0.00
9.4	13	6.38	10.9	4	1.69	ALBUQUERQUE	0.2	0	0.00	0.2	0	0.00
35.3	80	10.43	43.4	26	2.76	ALLENTOWN	0.2	1	21.95	0.2	0	0.00
11.2	15	6.15	14.0	5	1.64	ALTOONA	0.1	0	0.00	0.1	0	0.00
5.9	9	6.21	7.4	6	3.76	AMARILLO	0.3	1	17.79	0.3	0	0.00
7.7	7	4.16	10.5	7	3.07	ANN ARBOR	0.5	0	0.00	0.5	0	0.00
8.1	6	3.40	10.7	5	2.26	ASHEVILLE	0.9	0	0.00	1.1	1	4.05
36.1	45	5.76	52.3	27	2.38	ATLANTA	9.2	11	5.51	12.7	9	3.26
12.7	20	7.25	16.0	7	2.02	ATLANTIC CITY	2.1	5	10.80	2.4	2	3.78
6.0	6	4.61	8.3	8	4.45	AUGUSTA	2.9	1	1.59	4.0	2	2.32
9.6	6	2.87	12.7	2	0.73	AUSTIN	1.6	2	5.93	2.1	0	0.00
14.2	20	6.48	14.5	6	1.90	BAKERSFIELD	1.2	1	3.77	0.8	1	6.11
77.5	138	8.19	104.5	75	4.30	BALTIMORE	15.3	31	9.30	16.9	15	4.08
5.5	8	6.65	7.4	2	1.26	BATON ROUGE	3.3	4	5.63	4.0	5	5.79
6.2	12	8.90	7.4	4	2.48	BAY CITY	0.0	0	0.00	0.0	0	0.00
11.4	16	6.46	13.4	5	1.72	BEAUMONT	2.8	6	9.69	2.9	2	3.22
4.4	5	5.19	4.7	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
14.5	26	8.29	19.3	7	1.76	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
23.0	22	4.40	37.5	18	2.72	BIRMINGHAM	11.5	11	4.42	14.0	8	2.62
215.5	350	7.47	303.6	149	2.26	BOSTON	4.4	9	9.33	5.1	4	3.64
41.7	83	[illegible]	52.7	29	2.53	BRIDGEPORT	1.2	4	15.97	1.3	2	6.92
18.2	24	6.04	24.0	19	3.65	BROCKTON	0.4	0	0.00	0.3	0	0.00
6.3	2	1.44	7.1	1	0.65	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
80.4	156	9.81	99.3	60	2.81	BUFFALO	3.0	2	3.03	2.9	4	6.34
22.4	26	5.33	26.6	14	2.44	CANTON	0.8	1	5.69	0.8	0	0.00
9.1	12	6.09	11.9	10	3.88	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
5.6	8	6.57	7.7	1	0.60	CHAMPAIGN	0.3	0	0.00	0.3	1	17.00
4.8	10	9.56	6.8	0	0.00	CHARLESTON SC	2.3	1	1.99	3.5	2	2.63
12.5	10	3.67	14.5	9	2.86	CHARLESTON WVA	1.1	0	0.00	1.1	0	0.00
8.7	10	5.28	12.6	4	1.46	CHARLOTTE	2.4	5	9.79	3.0	2	3.10
13.0	14	5.68	16.8	14	3.83	CHATTANOOGA	2.6	4	7.03	3.3	3	4.17
349.3	574	7.56	425.9	236	2.55	CHICAGO	36.0	65	8.30	40.6	41	4.64
61.9	103	7.66	86.6	42	2.23	CINCINNATI	6.8	8	5.38	7.4	12	7.67
101.6	176	7.97	125.2	73	2.68	CLEVELAND	10.5	17	7.42	11.7	8	3.14
7.1	4	2.59	9.9	5	2.32	COLORADO SPNGS	0.1	0	0.00	0.2	0	0.00
7.8	10	5.93	10.9	5	2.11	COLUMBIA	2.9	5	8.02	3.7	1	1.25
5.0	11	10.07	7.3	5	3.17	COLUMBUS GA	2.2	0	0.00	3.3	6	8.28
32.8	50	7.02	45.0	21	2.15	COLUMBUS OHIO	4.1	3	3.34	4.4	2	2.07
[illegible]	6	3.43	9.0	4	2.06	CORPUS CHRISTI	0.4	1	11.88	0.5	0	0.00
47.2	56	5.44	64.4	27	1.93	DALLAS	7.1	4	2.59	7.6	7	4.24
18.7	29	7.15	22.7	18	3.64	DAVENPORT	0.3	0	0.00	0.3	0	0.00
34.1	39	5.26	43.0	30	3.21	DAYTON	3.0	9	13.69	3.1	1	1.48
7.8	13	7.64	10.2	8	3.59	DECATUR	0.3	1	16.08	0.3	0	0.00
50.9	73	6.60	66.9	30	2.06	DENVER	1.7	2	5.26	1.9	0	0.00
[illegible]	35	9.71	22.4	7	1.44	DES MOINES	0.7	0	0.00	0.7	3	18.70
185.8	326	8.07	205.6	106	2.33	DETROIT	21.6	41	8.72	22.8	24	4.84
5.3	9	7.85	7.6	3	1.82	DUBUQUE	0.0	0	0.00	0.0	0	0.00
23.4	37	7.26	23.2	10	1.98	DULUTH	0.1	0	0.00	0.1	0	0.00
3.7	8	9.90	5.4	1	0.85	DURHAM	1.5	2	6.02	1.9	1	2.38
10.2	12	5.43	12.9	7	2.49	EL PASO	0.3	0	0.00	0.2	1	19.51
16.3	33	9.32	19.7	12	2.80	ERIE	0.2	0	0.00	0.2	0	0.00
9.9	5	2.33	10.6	4	1.74	EUGENE	0.0	0	0.00	0.0	0	0.00
12.8	15	5.41	16.8	7	1.91	EVANSVILLE	1.0	1	4.52	1.1	1	4.31
29.3	45	7.06	40.7	20	2.26	FALL RIVER	0.4	2	24.48	0.3	0	0.00
6.7	8	5.50	7.2	5	3.18	FARGO	0.0	0	0.00	0.0	0	0.00
17.4	28	7.41	19.8	19	4.41	FLINT	0.9	1	5.10	1.0	1	4.68
26.0	31	5.49	24.5	12	2.09	FT. LAUDERDALE	1.4	1	3.31	1.4	1	3.23
4.6	2	2.01	5.9	5	3.90	FORT SMITH	0.3	0	0.00	0.4	0	0.00
13.2	20	6.97	17.2	10	2.67	FORT WAYNE	0.4	0	0.00	0.4	1	11.75
26.7	30	5.17	34.6	17	2.26	FORT WORTH	3.0	0	0.00	3.4	2	2.71
20.7	15	3.34	22.4	8	1.64	FRESNO	2.0	3	6.95	1.2	1	3.75
4.6	1	0.99	5.6	2	1.63	GADSDEN	0.7	1	6.88	0.8	0	0.00
5.7	11	8.81	6.5	4	2.85	GALVESTON	1.4	4	12.83	1.5	3	9.33
25.9	52	9.25	25.8	8	1.42	GARY	3.2	5	7.19	3.1	8	11.85
22.4	37	7.59	28.6	22	3.54	GRAND RAPIDS	0.6	2	15.80	0.6	1	7.73
4.3	5	5.39	4.3	4	4.28	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
7.3	12	7.60	8.8	2	1.05	GREEN BAY	0.1	0	0.00	0.1	0	0.00
9.1	10	5.07	12.1	4	1.52	GREENSBORO	1.9	6	14.35	2.3	0	0.00
7.7	11	6.53	10.5	5	2.19	GREENVILLE	1.4	3	9.65	1.9	0	0.00
10.0	13	5.98	12.4	11	4.09	HAMILTON	0.5	0	0.00	0.5	0	0.00
21.7	36	7.63	29.0	23	3.65	HARRISBURG	1.1	0	0.00	1.2	1	3.71
42.9	66	7.09	53.2	22	1.90	HARTFORD	1.0	2	9.28	1.2	1	3.96
4.7	5	4.88	5.5	4	3.33	HONOLULU	13.9	4	1.33	10.9	4	1.68
42.6	64	6.91	53.3	22	1.90	HOUSTON	9.6	20	9.63	10.7	10	4.31
16.8	19	5.20	19.7	4	0.93	HUNTINGTON	0.7	0	0.00	0.7	1	6.74
3.5	1	1.30	4.3	3	3.21	HUNTSVILLE	1.0	0	0.00	1.2	2	7.46
35.5	59	7.13	48.5	17	1.61	INDIANAPOLIS	5.5	5	4.21	6.0	4	3.06
8.3	26	14.44	10.2	5	2.26	JACKSON MICH	0.3	0	0.00	0.2	0	0.00
5.0	4	3.65	7.3	4	2.51	JACKSON MISS	3.5	3	3.95	4.1	4	4.45
15.7	28	8.20	20.7	7	1.56	JACKSONVILLE	4.8	7	6.77	5.8	4	3.20
43.0	83	8.88	52.2	40	3.52	JERSEY CITY	1.4	2	6.70	1.6	2	5.71
21.2	23	4.99	22.5	13	2.65	JOHNSTOWN	0.2	1	72.42	0.2	0	0.00
9.7	13	6.19	12.3	6	2.24	KALAMAZOO	0.3	1	17.77	0.3	1	17.70
58.4	97	7.64	78.2	40	2.35	KANSAS CITY	7.5	8	4.89	8.1	4	2.27
6.7	7	4.79	7.3	1	0.63	KENOSHA	0.0	0	0.00	0.0	0	0.00
18.3	19	4.78	23.3	17	3.35	KNOXVILLE	1.6	1	2.92	1.9	2	4.76
4.1	5	5.60	4.9	4	3.77	LAKE CHARLES	1.2	4	14.86	1.3	2	7.33
18.9	20	4.87	25.4	16	2.90	LANCASTER	0.2	3	68.04	0.2	1	23.41
16.6	32	8.87	20.5	10	2.24	LANSING	0.3	2	33.78	0.2	1	18.97
3.0	6	9.29	3.7	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
5.4	10	8.59	4.6	3	2.97	LAS VEGAS	0.3	0	0.00	0.3	0	0.00
2.9	3	4.79	3.4	2	2.69	LAWTON	0.3	0	0.00	0.3	0	0.00
6.4	14	10.07	8.6	8	4.26	LEXINGTON	1.5	1	3.08	1.7	0	0.00
6.7	13	8.87	8.2	5	2.79	LIMA	0.3	0	0.00	0.3	0	0.00
10.0	17	7.84	13.8	4	1.33	LINCOLN	0.1	1	36.86	0.1	0	0.00
11.4	13	5.24	14.5	4	1.27	LITTLE ROCK	3.5	5	7.87	3.9	2	2.33
11.3	23	9.40	12.7	5	1.81	LORAIN	0.5	1	8.93	0.5	0	0.00
377.3	586	7.15	526.3	259	2.26	LOS ANGELES	22.9	21	4.22	25.0	16	2.95

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MALIGNANT NEOPLASM OF BLADDER AND OTHER URINARY ORGANS (I.S.C. 181)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
36.1	33	4.21	50.0	20	1.84	LOUISVILLE	5.2	6	5.30	6.1	2	1.52
5.7	6	4.86	7.0	3	1.98	LUBBOCK	0.4	0	0.00	0.3	0	0.00
5.3	3	2.60	7.4	2	1.25	LYNCHBURG	1.4	1	3.37	1.6	1	2.85
5.1	3	2.68	7.4	6	3.72	MACON	2.3	6	12.15	3.4	1	1.34
12.5	23	8.43	16.1	8	2.29	MADISON	0.1	1	68.06	0.1	0	0.00
12.6	28	10.18	17.2	10	2.67	MANCHESTER	0.0	0	0.00	0.0	0	0.00
19.2	26	6.22	28.1	19	3.11	MEMPHIS	12.6	13	4.74	14.2	4	1.30
64.6	102	7.26	70.2	45	2.95	MIAMI	3.9	5	5.97	4.1	4	4.52
1.6	1	2.85	1.9	0	0.00	MIDLAND	0.2	1	26.49	0.2	0	0.00
73.6	129	8.07	90.0	50	2.56	MILWAUKEE	1.7	1	2.63	1.6	1	2.84
90.4	122	6.21	117.3	55	2.16	MINNEAPOLIS	1.3	2	6.91	1.3	0	0.00
9.5	19	9.23	12.1	8	3.04	MOBILE	3.9	3	3.56	5.0	4	3.65
3.8	5	6.11	4.5	0	0.00	MONROE	1.9	2	4.74	2.2	2	4.23
4.6	4	3.99	7.0	2	1.32	MONTGOMERY	3.1	6	8.99	4.5	4	4.07
6.4	8	5.71	8.0	2	1.15	MUNCIE	0.3	0	0.00	0.3	0	0.00
7.9	11	6.38	9.0	4	2.04	MUSKEGON	0.4	0	0.00	0.4	0	0.00
17.3	16	4.26	24.8	7	1.30	NASHVILLE	4.3	5	5.37	5.3	1	0.87
102.3	223	10.03	133.2	78	2.69	NEWARK	8.4	10	5.47	10.4	11	4.89
44.2	80	8.32	54.9	32	2.68	NEW HAVEN	1.3	2	7.25	1.3	1	3.43
31.9	51	7.36	45.8	26	2.61	NEW ORLEANS	11.7	22	8.65	15.4	22	6.57
6.2	9	6.66	7.1	3	1.96	NEWPORT NEWS	2.7	1	1.69	2.7	3	5.19
689.7	1228	8.19	846.8	482	2.62	NEW YORK	49.6	77	7.15	61.9	54	4.01
16.0	29	8.34	21.4	14	3.01	NORFOLK	6.4	8	5.76	7.3	8	5.02
2.2	1	2.07	2.3	3	4.02	ODESSA	0.1	0	0.00	0.1	0	0.00
5.6	4	3.29	4.3	2	1.45	OGDEN	0.2	1	28.28	0.1	0	0.00
26.7	18	3.10	34.5	6	0.80	OKLAHOMA CITY	2.2	1	2.10	2.4	0	0.00
27.2	41	6.93	33.7	21	2.87	OMAHA	1.4	2	6.48	1.6	2	5.86
18.2	24	6.07	21.4	18	3.87	ORLANDO	2.3	3	6.13	2.3	3	6.05
72.8	135	8.53	91.2	57	2.88	PATERSON	1.5	3	9.34	1.8	0	0.00
6.6	11	7.64	7.9	4	2.33	PENSACOLA	1.4	2	6.45	1.8	0	0.00
18.2	30	7.56	23.0	12	2.41	PEORIA	0.4	0	0.00	0.5	0	0.00
242.9	433	8.20	317.4	195	2.83	PHILADELPHIA	30.8	35	5.23	35.7	43	5.54
34.4	48	6.41	36.7	12	1.51	PHOENIX	1.8	1	2.55	1.4	2	6.74
157.0	239	7.00	180.1	100	2.56	PITTSBURGH	9.9	10	4.63	9.3	6	2.95
10.4	23	10.14	14.2	6	1.94	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
13.5	23	7.82	18.8	9	2.21	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
63.9	80	5.76	76.5	39	2.35	PORTLAND OREG.	1.3	0	0.00	0.9	0	0.00
51.4	101	9.04	68.6	29	1.94	PROVIDENCE	0.8	2	11.97	0.8	1	5.96
4.6	2	1.99	5.4	1	0.85	PROVO	0.0	0	0.00	0.0	0	0.00
8.1	5	2.86	9.1	5	2.52	PUEBLO	0.2	0	0.00	0.2	0	0.00
9.1	20	10.09	10.6	10	4.32	RACINE	0.1	0	0.00	0.1	0	0.00
5.9	9	7.07	7.9	3	1.75	RALEIGH	1.9	0	0.00	2.4	0	0.00
21.5	50	10.68	25.9	22	3.90	READING	0.2	0	0.00	0.2	0	0.00
5.2	12	10.54	5.0	5	4.57	RENO	0.2	0	0.00	0.1	0	0.00
16.9	23	6.27	25.7	16	2.87	RICHMOND	5.2	13	11.55	6.3	2	1.46
8.7	10	5.26	11.6	7	2.78	ROANOKE	1.2	0	0.00	1.4	0	0.00
41.6	61	6.75	54.4	26	2.20	ROCHESTER	0.6	1	7.09	0.7	0	0.00
12.5	20	7.36	15.0	10	3.07	ROCKFORD	0.3	2	36.48	0.3	0	0.00
25.6	46	8.27	27.7	18	2.98	SACRAMENTO	1.8	0	0.00	1.1	0	0.00
10.4	13	5.74	12.4	6	2.22	SAGINAW	0.5	0	0.00	0.5	1	9.33
8.3	8	4.41	11.1	7	2.91	ST. JOSEPH	0.3	0	0.00	0.3	0	0.00
115.2	207	8.26	155.4	92	2.72	ST. LOUIS	15.6	24	7.08	17.9	14	3.59
19.1	28	6.74	23.6	7	1.36	SALT LAKE CITY	0.4	1	11.81	0.2	0	0.00
4.0	0	0.00	4.8	1	0.96	SAN ANGELO	0.2	0	0.00	0.2	0	0.00
30.3	39	5.92	40.3	12	1.37	SAN ANTONIO	2.2	4	8.49	2.9	2	3.20
54.2	62	5.27	61.0	20	1.51	SAN BERNARDINO	1.6	0	0.00	1.5	1	3.01
51.1	71	6.39	65.3	38	2.68	SAN DIEGO	1.5	1	3.03	1.4	3	9.53
164.8	251	7.01	210.6	122	2.67	SAN FRANCISCO	13.8	14	4.68	11.0	9	3.77
30.3	38	5.76	39.7	22	2.55	SAN JOSE	1.0	1	4.63	0.7	1	6.55
10.1	14	6.37	13.4	4	1.37	SANTA BARBARA	0.3	0	0.00	0.2	0	0.00
5.4	8	6.82	7.9	5	2.90	SAVANNAH	2.9	4	6.42	3.8	5	6.00
18.2	28	7.08	23.7	12	2.33	SCRANTON	0.1	0	0.00	0.1	0	0.00
73.2	117	7.35	86.5	39	2.08	SEATTLE	3.0	4	6.11	1.9	0	0.00
9.3	8	3.97	12.0	7	2.69	SHREVEPORT	5.6	5	4.14	6.8	3	2.04
8.6	11	5.87	10.0	5	2.31	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
5.6	5	4.14	6.6	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
14.1	23	7.52	16.8	10	2.74	SOUTH BEND	0.6	1	7.70	0.6	0	0.00
21.5	28	5.99	24.1	6	1.15	SPOKANE	0.3	0	0.00	0.2	0	0.00
10.8	19	8.12	14.2	13	4.21	SPRINGFIELD I.	0.4	2	20.48	0.5	1	8.80
9.7	6	2.84	12.7	2	0.73	SPRINGFIELD MO	0.2	0	0.00	0.2	0	0.00
8.4	13	7.12	10.7	8	3.44	SPRINGFIELD O.	0.8	3	18.00	1.0	1	4.82
35.9	50	6.41	48.6	19	1.80	SPRINGFIELD MA	0.5	1	9.23	0.6	0	0.00
11.0	18	7.53	11.1	7	2.91	STEUBENVILLE	0.4	0	0.00	0.4	1	11.53
17.4	22	5.82	17.0	3	0.81	STOCKTON	2.1	0	0.00	0.9	0	0.00
37.6	67	8.20	46.8	24	2.36	SYRACUSE	0.5	1	10.11	0.5	0	0.00
21.5	28	5.98	24.4	7	1.32	TACOMA	0.4	0	0.00	0.3	0	0.00
83.5	123	6.78	90.4	42	2.14	TAMPA	4.1	9	10.22	4.4	6	6.30
8.7	15	7.95	10.8	7	2.97	TERRE HAUTE	0.4	1	11.78	0.4	0	0.00
5.3	7	6.06	6.2	2	1.48	TEXARKANA	1.7	3	8.14	1.8	3	7.55
29.4	57	8.93	36.8	23	2.87	TOLEDO	2.0	3	7.07	2.0	2	4.52
8.7	7	3.72	11.8	3	1.17	TOPEKA	0.7	0	0.00	0.7	1	6.14
16.1	19	5.44	20.1	9	2.06	TRENTON	1.2	5	18.50	1.3	1	3.60
13.6	21	7.08	15.6	5	1.48	TUCSON	0.8	0	0.00	0.7	0	0.00
22.8	30	6.07	28.5	18	2.91	TULSA	2.3	1	1.98	2.6	0	0.00
4.6	4	3.96	5.6	1	0.82	TUSCALOOSA	1.5	0	0.00	1.7	0	0.00
4.2	3	3.29	5.2	6	5.34	TYLER	1.4	0	0.00	1.5	0	0.00
25.5	40	7.22	31.2	14	2.07	UTICA	0.2	1	25.61	0.2	0	0.00
8.6	8	4.28	10.8	1	0.43	WACO	1.6	2	5.75	1.9	1	2.46
68.2	104	7.01	102.3	63	2.83	WASHINGTON	19.3	37	8.80	23.4	14	2.75
7.4	10	6.26	9.2	6	3.00	WATERLOO	0.2	0	0.00	0.2	0	0.00
18.2	22	5.57	19.9	14	3.24	W. PALM BEACH	2.3	1	2.02	1.7	2	5.30
16.1	30	8.59	18.7	10	2.46	WHEELING	0.4	0	0.00	0.4	0	0.00
15.5	26	7.74	20.7	11	2.45	WICHITA	0.8	1	5.68	0.8	0	0.00
6.6	3	2.09	8.0	3	1.72	WICHITA FALLS	0.4	1	10.88	0.4	0	0.00
26.1	41	7.23	33.6	13	1.78	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
18.1	34	8.63	23.0	15	3.00	WILMINGTON	2.3	5	10.00	2.2	4	8.34
6.4	7	5.03	8.7	2	1.06	WINSTON-SALEM	2.0	3	6.95	2.6	1	1.77
44.6	75	7.73	58.6	26	2.06	WORCESTER	0.2	0	0.00	0.2	0	0.00
16.4	28	7.87	19.8	10	2.32	YORK	0.2	0	0.00	0.2	0	0.00
31.3	33	4.85	34.2	21	2.83	YOUNGSTOWN	2.3	2	4.01	2.0	2	4.52
6397.6	10101	7.26	8068.8	4287	2.44	TOTAL 201 SMSA	569.7	776	6.27	637.0	515	3.72

ALL AGE STANDARD RATE = 4.60

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF SKIN (I.S.C. 190-191)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
2.9	12	8.33	3.4	4	2.30	ABILENE	0.1	0	0.00	0.1	0	0.00
13.3	20	3.08	19.1	18	2.44	AKRON	0.9	2	4.80	0.9	2	4.60
0.9	1	2.24	1.0	1	2.01	ALBANY GA	0.5	0	0.00	0.7	0	0.00
20.6	27	2.69	25.5	15	1.20	ALBANY NY	0.4	0	0.00	0.4	0	0.00
5.1	6	2.38	5.7	4	1.45	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
15.4	13	1.72	19.2	13	1.46	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
4.6	6	2.67	5.6	9	2.94	ALTOONA	0.0	0	0.00	0.0	0	0.00
3.2	0	0.00	3.6	5	2.87	AMARILLO	0.2	1	13.60	0.2	0	0.00
3.8	3	1.61	4.6	4	1.76	ANN ARBOR	0.3	0	0.00	0.3	0	0.00
3.5	7	4.05	4.3	5	2.39	ASHEVILLE	0.4	0	0.00	0.5	0	0.00
18.4	38	4.19	23.9	38	3.26	ATLANTA	4.7	0	0.00	6.2	1	0.33
5.0	3	1.22	6.2	6	1.98	ATLANTIC CITY	0.9	2	4.66	1.0	0	0.00
3.3	9	5.58	3.9	6	3.13	AUGUSTA	1.4	1	1.49	1.8	1	1.15
4.6	5	2.22	5.6	5	1.86	AUSTIN	0.7	1	2.94	0.9	0	0.00
6.9	5	1.49	6.9	8	2.36	BAKERSFIELD	0.6	0	0.00	0.4	0	0.00
37.0	56	3.09	45.3	35	1.58	BALTIMORE	8.2	4	1.00	8.8	1	0.23
3.2	6	3.84	3.8	6	3.25	BATON ROUGE	1.5	2	2.64	1.9	1	1.10
2.8	3	2.17	3.2	4	2.56	BAY CITY	0.0	0	0.00	0.0	0	0.00
5.9	9	3.19	6.5	6	1.88	BEAUMONT	1.4	2	2.91	1.5	0	0.00
2.0	2	2.00	2.2	2	1.90	BILLINGS	0.0	0	0.00	0.0	0	0.00
6.4	12	3.85	7.7	4	1.06	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
11.0	28	5.22	13.5	18	2.72	BIRMINGHAM	5.2	1	0.39	6.4	6	1.92
92.9	129	2.84	122.7	80	1.33	BOSTON	2.2	2	1.87	2.4	3	2.56
18.9	27	2.92	22.4	15	1.36	BRIDGEPORT	0.7	1	3.02	0.8	0	0.00
7.7	11	2.91	9.6	7	1.53	BROCKTON	0.2	0	0.00	0.1	0	0.00
3.1	9	6.00	3.6	2	1.20	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
36.0	40	2.27	42.0	23	1.12	BUFFALO	1.8	0	0.00	1.7	0	0.00
9.8	11	2.30	11.1	13	2.39	CANTON	0.4	0	0.00	0.4	0	0.00
4.0	5	2.58	4.8	3	1.27	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
2.8	3	2.19	3.3	5	3.07	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
2.8	2	1.47	3.3	4	2.47	CHARLESTON SC	1.3	2	3.23	1.7	0	0.00
6.0	8	2.71	6.8	10	3.02	CHARLESTON WVA	0.6	0	0.00	0.5	1	4.29
4.6	10	4.40	6.0	1	0.36	CHARLOTTE	1.3	1	1.63	1.5	2	2.64
6.1	16	5.35	7.5	8	2.19	CHATTANOOGA	1.2	0	0.00	1.5	2	2.69
158.6	172	2.22	183.7	121	1.35	CHICAGO	19.4	4	0.42	21.5	10	0.95
27.3	60	4.50	35.6	31	1.78	CINCINNATI	3.2	2	1.26	3.6	5	2.86
45.6	55	2.47	53.7	35	1.33	CLEVELAND	5.7	8	2.88	6.2	1	0.33
3.4	5	3.00	4.3	1	0.48	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
4.1	5	2.48	5.0	7	2.86	COLUMBIA	1.5	0	0.00	1.7	2	2.36
3.0	1	0.69	3.6	4	2.28	COLUMBUS GA	1.2	0	0.00	1.6	2	2.56
15.5	16	2.11	19.4	10	1.05	COLUMBUS OHIO	2.0	1	1.01	2.1	3	2.90
4.3	11	5.24	4.7	6	2.62	CORPUS CHRISTI	0.2	0	0.00	0.3	0	0.00
23.3	41	3.60	29.0	41	2.89	DALLAS	3.5	6	3.51	3.8	2	1.07
8.1	7	1.77	9.6	11	2.38	DAVENPORT	0.1	0	0.00	0.1	0	0.00
16.3	21	2.64	19.1	10	1.07	DAYTON	1.6	1	1.31	1.6	0	0.00
3.4	4	2.40	4.2	7	3.39	DECATUR	0.1	0	0.00	0.1	0	0.00
23.7	31	2.68	28.9	20	1.42	DENVER	0.9	2	4.67	1.0	0	0.00
7.3	11	3.09	9.3	5	1.10	DES MOINES	0.3	0	0.00	0.3	0	0.00
87.1	90	2.11	94.3	66	1.43	DETROIT	12.0	6	1.02	12.7	4	0.64
2.3	2	1.81	3.0	1	0.68	DUBUQUE	0.0	0	0.00	0.0	0	0.00
9.4	7	1.52	9.5	7	1.50	DULUTH	0.1	0	0.00	0.0	0	0.00
1.9	1	1.09	2.4	1	0.86	DURHAM	0.8	2	5.33	1.0	0	0.00
5.7	10	3.61	6.5	7	2.19	EL PASO	0.2	0	0.00	0.2	0	0.00
7.2	6	1.71	8.3	5	1.23	ERIE	0.1	0	0.00	0.1	0	0.00
4.5	3	1.36	4.7	2	0.87	EUGENE	0.0	0	0.00	0.0	0	0.00
5.6	10	3.68	7.0	6	1.76	EVANSVILLE	0.4	0	0.00	0.5	1	4.46
12.5	11	1.79	16.3	16	2.00	FALL RIVER	0.2	0	0.00	0.1	0	0.00
2.9	7	4.80	3.1	2	1.31	FARGO	0.0	0	0.00	0.0	0	0.00
8.4	7	1.70	9.2	9	2.00	FLINT	0.6	0	0.00	0.6	0	0.00
10.3	9	1.79	11.0	9	1.68	FT. LAUDERDALE	0.9	1	2.30	0.9	0	0.00
2.0	7	7.32	2.4	0	0.00	FORT SMITH	0.1	0	0.00	0.2	0	0.00
6.0	7	2.39	7.3	6	1.67	FORT WAYNE	0.2	0	0.00	0.2	0	0.00
13.1	23	3.60	15.6	26	4.15	FORT WORTH	1.4	1	1.42	1.6	0	0.00
9.3	10	2.20	9.9	5	1.03	FRESNO	0.9	0	0.00	0.6	0	0.00
2.2	7	6.58	2.5	8	6.45	GADSDEN	0.3	0	0.00	0.4	0	0.00
2.8	4	2.88	3.1	3	1.99	GALVESTON	0.7	0	0.00	0.7	0	0.00
12.6	8	1.30	12.4	5	0.82	GARY	1.7	1	1.18	1.7	1	1.17
9.8	18	3.76	11.9	5	0.86	GRAND RAPIDS	0.3	0	0.00	0.3	0	0.00
2.0	0	0.00	1.9	3	3.22	GREAT FALLS	0.0	1	83.03	0.0	0	0.00
3.3	5	3.16	3.7	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
4.6	9	3.99	5.7	3	1.08	GREENSBORO	1.0	1	2.00	1.2	0	0.00
4.0	9	4.62	4.9	11	4.59	GREENVILLE	0.7	0	0.00	0.9	0	0.00
4.8	5	2.16	5.5	2	0.74	HAMILTON	0.2	0	0.00	0.2	0	0.00
9.6	10	2.12	12.1	11	1.86	HARRISBURG	0.5	1	3.93	0.5	1	3.42
19.5	26	2.73	22.9	19	1.69	HARTFORD	0.6	1	3.32	0.6	1	3.16
3.3	1	0.62	3.2	5	3.24	HONOLULU	7.4	6	1.66	6.1	2	0.67
22.9	36	3.03	26.3	31	2.41	HOUSTON	5.1	3	1.20	5.7	4	1.44
7.3	21	5.86	8.4	6	1.46	HUNTINGTON	0.3	0	0.00	0.3	0	0.00
2.0	2	2.06	2.2	4	3.76	HUNTSVILLE	0.5	1	4.37	0.6	1	3.68
16.4	30	3.74	20.7	15	1.48	INDIANAPOLIS	2.5	3	2.43	2.8	1	0.72
3.7	2	1.10	4.2	4	1.96	JACKSON MICH	0.2	0	0.00	0.1	0	0.00
2.6	5	3.91	3.6	5	3.01	JACKSON MISS	1.6	2	2.58	1.9	2	2.13
8.1	14	3.53	9.7	10	2.11	JACKSONVILLE	2.4	1	0.87	2.8	0	0.00
18.7	24	2.62	21.9	10	0.93	JERSEY CITY	0.8	0	0.00	0.4	1	2.27
8.9	11	2.53	9.5	9	1.94	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
4.4	3	1.40	5.3	3	1.16	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
26.5	41	3.17	33.1	36	2.22	KANSAS CITY	3.3	3	1.88	3.6	2	1.14
2.9	5	3.49	3.1	3	1.97	KENOSHA	0.0	0	0.00	0.0	0	0.00
8.8	13	3.04	10.6	14	2.71	KNOXVILLE	0.7	0	0.00	0.9	1	2.33
2.3	2	1.79	2.5	2	1.62	LAKE CHARLES	0.6	0	0.00	0.6	1	3.24
8.2	16	3.97	10.4	9	1.77	LANCASTER	0.1	1	21.74	0.1	0	0.00
7.8	11	2.97	8.9	4	0.92	LANSING	0.2	0	0.00	0.1	0	0.00
1.4	1	1.49	1.7	2	2.40	LAREDO	0.0	0	0.00	0.0	0	0.00
2.9	3	2.08	2.6	2	1.56	LAS VEGAS	0.2	0	0.00	0.2	0	0.00
1.6	1	1.25	1.7	1	1.23	LAWTON	0.2	1	11.35	0.2	0	0.00
3.0	3	2.05	3.7	3	1.66	LEXINGTON	0.6	1	3.24	0.7	0	0.00
2.9	1	0.70	3.4	3	1.81	LIMA	0.2	0	0.00	0.1	0	0.00
4.4	3	1.41	5.6	5	1.84	LINCOLN	0.1	0	0.00	0.1	0	0.00
5.3	10	3.85	6.3	8	2.58	LITTLE ROCK	1.4	1	1.41	1.7	0	0.00
5.3	7	2.69	5.7	4	1.42	LORAIN	0.3	0	0.00	0.3	0	0.00
174.9	257	3.00	221.8	188	1.73	LOS ANGELES	12.8	5	0.80	13.5	8	1.21

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF SKIN (I.S.C. 190-191)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
16.9	19	2.30	21.5	18	1.71	LOUISVILLE	2.3	1	0.89	2.7	0	0.00
3.0	3	2.03	3.4	5	3.02	LUBBOCK	0.2	1	9.08	0.2	0	0.00
2.4	3	2.53	3.1	2	1.31	LYNCHBURG	0.6	0	0.00	0.7	1	2.92
2.7	8	5.97	3.5	5	2.95	MACON	1.1	0	0.00	1.6	0	0.00
5.7	6	2.14	6.8	4	1.20	MADISON	0.1	0	0.00	0.0	0	0.00
5.4	17	6.40	7.0	5	1.46	MANCHESTER	0.0	0	0.00	0.0	0	0.00
9.6	21	4.47	12.6	15	2.44	MEMPHIS	5.6	1	0.37	6.4	3	0.95
27.3	48	3.60	29.8	25	1.72	MIAMI	2.5	0	0.00	2.6	0	0.00
1.1	3	5.50	1.2	0	0.00	MIDLAND	0.1	1	18.76	0.1	0	0.00
33.0	31	1.92	38.4	21	1.12	MILWAUKEE	1.1	1	1.86	1.0	0	0.00
40.1	48	2.45	49.3	33	1.37	MINNEAPOLIS	0.7	1	3.13	0.6	1	3.22
4.9	13	5.43	5.8	7	2.48	MOBILE	2.0	0	0.00	2.5	1	0.83
1.8	4	4.62	2.0	0	0.00	MONROE	0.8	1	2.51	1.0	0	0.00
2.4	3	2.53	3.2	3	1.94	MONTGOMERY	1.4	1	1.47	2.0	0	0.00
2.9	7	4.92	3.4	5	2.99	MUNCIE	0.2	0	0.00	0.2	0	0.00
3.7	3	1.68	4.0	2	1.02	MUSKEGON	0.2	0	0.00	0.2	0	0.00
8.3	14	3.44	10.8	10	1.89	NASHVILLE	2.0	0	0.00	2.4	0	0.00
45.9	52	2.32	56.4	32	1.16	NEWARK	4.7	5	2.18	5.6	0	0.00
19.4	18	1.89	23.1	26	2.30	NEW HAVEN	0.7	0	0.00	0.7	1	2.76
15.6	33	4.33	20.1	22	2.23	NEW ORLEANS	5.7	9	3.22	7.2	8	2.27
3.6	0	0.00	3.7	1	0.56	NEWPORT NEWS	1.4	1	1.46	1.4	1	1.48
302.7	358	2.42	359.8	260	1.48	NEW YORK	27.5	17	1.27	34.0	19	1.14
9.0	13	2.96	10.3	8	1.59	NORFOLK	3.3	3	1.86	3.7	2	1.11
1.6	2	2.62	1.5	3	4.03	ODESSA	0.1	0	0.00	0.1	0	0.00
2.6	5	3.90	2.8	1	0.72	OGDEN	0.1	0	0.00	0.1	0	0.00
12.5	25	4.09	15.1	13	1.76	OKLAHOMA CITY	1.1	1	1.93	1.2	1	1.77
12.1	9	1.52	14.3	13	1.86	OMAHA	0.6	1	3.15	0.7	0	0.00
7.8	20	5.22	8.9	12	2.75	ORLANDO	1.2	0	0.00	1.2	0	0.00
33.9	35	2.11	40.1	30	1.53	PATERSON	0.9	1	2.37	1.0	0	0.00
3.5	4	2.34	3.9	7	3.66	PENSACOLA	0.7	0	0.00	0.9	0	0.00
8.2	7	1.75	9.7	12	2.54	PEORIA	0.2	0	0.00	0.2	0	0.00
109.4	152	2.84	133.9	118	1.80	PHILADELPHIA	15.6	16	2.10	18.0	11	1.25
16.2	27	3.40	17.0	21	2.52	PHOENIX	0.8	0	0.00	0.7	0	0.00
69.0	79	2.34	77.8	48	1.26	PITTSBURGH	4.5	2	0.91	4.5	2	0.91
4.5	3	1.37	5.7	3	1.07	PITTSFIELD	0.0	0	0.00	0.1	0	0.00
5.7	5	1.79	7.5	7	1.91	PORTLAND MAINE	0.0	0	0.00	0.1	0	0.00
26.6	35	2.69	30.9	21	1.39	PORTLAND OREG.	0.6	1	3.20	0.5	0	0.00
22.2	28	2.58	28.1	20	1.46	PROVIDENCE	0.3	0	0.00	0.4	0	0.00
2.3	3	2.71	2.5	3	2.47	PROVO	0.0	0	0.00	0.0	0	0.00
3.5	4	2.35	3.8	0	0.00	PUEBLO	0.1	1	22.40	0.1	0	0.00
4.0	1	0.51	4.5	2	0.91	RACINE	0.1	'	- - -	0.1	0	0.00
3.0	1	0.68	3.6	4	2.25	RALEIGH	0.9	0	0.00	1.1	0	0.00
9.2	12	2.67	10.7	4	0.77	READING	0.1	0	0.00	0.1	0	0.00
2.4	3	2.51	2.4	1	0.87	RENO	0.1	0	0.00	0.1	0	0.00
6.1	20	5.04	11.0	10	1.86	RICHMOND	2.5	1	0.81	3.0	1	0.68
4.0	4	2.05	5.0	7	2.88	ROANOKE	0.5	0	0.00	0.6	0	0.00
17.7	11	1.27	22.2	15	1.38	ROCHESTER	0.4	0	0.00	0.4	0	0.00
5.6	4	1.44	6.5	6	1.90	ROCKFORD	0.1	0	0.00	0.2	0	0.00
12.4	18	2.98	12.9	23	3.66	SACRAMENTO	0.9	0	0.00	0.7	0	0.00
4.7	11	4.79	5.3	3	1.15	SAGINAW	0.3	0	0.00	0.3	1	6.53
3.3	3	1.86	4.2	4	1.95	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
51.5	75	2.98	64.9	59	1.86	ST. LOUIS	7.2	9	2.57	8.4	5	1.21
9.0	11	2.50	10.4	8	1.57	SALT LAKE CITY	0.2	0	0.00	0.1	0	0.00
1.7	1	1.17	2.0	3	4.00	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
14.7	32	4.44	19.0	15	1.70	SAN ANTONIO	1.1	0	0.00	1.4	0	0.00
23.3	40	3.51	25.4	21	1.69	SAN BERNARDINO	0.9	0	0.00	0.8	0	0.00
24.8	31	2.55	28.7	26	1.85	SAN DIEGO	1.0	0	0.00	0.9	0	0.00
74.3	104	2.86	88.9	61	1.40	SAN FRANCISCO	7.8	1	0.26	6.7	2	0.61
15.0	23	3.14	17.9	19	2.17	SAN JOSE	0.5	0	0.00	0.4	1	5.14
4.6	6	2.67	5.6	1	0.37	SANTA BARBARA	0.2	0	0.00	0.1	0	0.00
2.8	2	1.45	3.6	5	2.83	SAVANNAH	1.4	0	0.00	1.8	0	0.00
7.7	14	3.71	9.7	7	1.48	SCRANTON	0.0	0	0.00	0.0	0	0.00
32.1	39	2.49	36.2	20	1.13	SEATTLE	1.5	2	2.81	1.1	0	0.00
4.6	18	8.04	5.5	9	3.35	SHREVEPORT	2.3	1	0.87	2.9	1	0.71
3.5	3	1.75	4.0	3	1.54	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
2.4	1	0.84	2.8	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
6.4	8	2.56	7.3	5	1.40	SOUTH BEND	0.3	1	6.78	0.3	0	0.00
8.9	6	1.37	9.8	7	1.46	SPOKANE	0.1	1	14.48	0.1	0	0.00
4.5	6	2.72	5.7	3	1.07	SPRINGFIELD I.	0.2	1	11.12	0.2	0	0.00
4.0	5	2.55	5.0	7	2.85	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
3.7	6	3.36	4.4	1	0.46	SPRINGFIELD O.	0.3	0	0.00	0.4	0	0.00
15.7	12	1.57	19.8	17	1.76	SPRINGFIELD MA	0.3	0	0.00	0.3	0	0.00
4.9	2	0.84	5.0	0	0.00	STEUBENVILLE	0.2	1	10.58	0.2	0	0.00
7.4	8	2.21	7.2	8	2.26	STOCKTON	0.9	0	0.00	0.4	0	0.00
16.4	17	2.13	19.5	14	1.47	SYRACUSE	0.3	0	0.00	0.3	0	0.00
9.4	10	2.18	10.1	7	1.41	TACOMA	0.3	0	0.00	0.2	0	0.00
30.2	42	2.85	33.4	26	1.59	TAMPA	2.0	0	0.00	2.2	2	1.87
3.5	7	4.06	4.3	2	0.96	TERRE HAUTE	0.2	0	0.00	0.2	0	0.00
2.3	5	4.52	2.6	1	0.79	TEXARKANA	0.7	1	3.02	0.8	1	2.69
12.7	12	1.93	15.2	11	1.48	TOLEDO	1.0	0	0.00	1.0	0	0.00
3.8	6	3.27	4.8	9	3.83	TOPEKA	0.3	0	0.00	0.3	0	0.00
7.2	9	2.55	8.5	7	1.68	TRENTON	0.7	1	2.84	0.7	0	0.00
6.4	6	1.93	7.1	5	1.44	TUCSON	0.4	0	0.00	0.4	0	0.00
10.5	12	2.34	12.5	17	2.79	TULSA	1.0	1	2.04	1.2	1	1.74
2.1	3	2.86	2.4	3	2.54	TUSCALOOSA	0.7	0	0.00	0.8	0	0.00
1.9	3	3.27	2.2	4	3.69	TYLER	0.6	1	3.37	0.7	0	0.00
10.7	9	1.72	12.7	8	1.29	UTICA	0.1	0	0.00	0.1	0	0.00
3.8	7	3.79	4.5	6	2.75	WACO	0.7	0	0.00	0.8	1	2.58
36.1	48	2.72	47.2	41	1.77	WASHINGTON	10.7	6	1.14	12.3	5	0.83
3.3	2	1.25	3.9	0	0.00	WATERLOO	0.1	0	0.00	0.1	0	0.00
7.0	13	3.81	7.8	2	0.53	W. PALM BEACH	1.2	0	0.00	1.0	0	0.00
6.5	8	2.51	7.5	3	0.81	WHEELING	0.2	0	0.00	0.2	0	0.00
7.7	17	4.49	9.4	3	0.66	WICHITA	0.4	2	9.60	0.4	0	0.00
3.1	10	6.53	3.5	3	1.74	WICHITA FALLS	0.2	0	0.00	0.2	0	0.00
11.3	12	2.18	14.0	15	2.19	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
8.7	10	4.48	10.2	11	2.20	WILMINGTON	1.1	2	3.66	1.1	0	0.00
3.3	7	4.31	4.1	4	1.98	WINSTON-SALEM	1.0	1	2.08	1.3	0	0.00
18.9	19	2.06	23.6	11	0.96	WORCESTER	0.1	0	0.00	0.1	0	0.00
7.2	8	2.28	8.3	15	3.68	YORK	0.1	0	0.00	0.1	0	0.00
13.8	15	2.23	14.9	11	1.51	YOUNGSTOWN	1.1	0	0.00	1.1	1	1.94
2896.8	3849	2.72	3454.8	2781	1.65	TOTAL 201 SMSA	291.6	189	1.33	323.8	149	0.94

ALL AGE STANDARD RATE = 2.04

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100.000
MALIGNANT NEOPLASM OF THYROID GLAND (I.S.C. 194)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
0.8	0	0.00	1.0	2	1.21	ABILENE	0.0	1	17.45	0.0	0	0.00
4.0	5	0.75	4.5	12	1.61	AKRON	0.2	0	0.00	0.2	0	0.00
0.2	0	0.00	0.3	1	2.25	ALBANY GA	0.1	0	0.00	0.2	0	0.00
6.3	5	0.48	7.9	10	0.77	ALBANY NY	0.1	0	0.00	0.1	1	5.66
1.4	2	0.89	1.5	0	0.00	ALBUQUERQUE	0.0	0	0.00	0.0	0	0.00
4.7	5	0.65	5.5	8	0.88	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
1.4	0	0.00	1.7	1	0.35	ALTOONA	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.0	0	0.00	AMARILLO	0.0	0	0.00	0.0	0	0.00
1.1	1	0.57	1.3	0	0.00	ANN ARBOR	0.1	0	0.00	0.0	0	0.00
1.1	2	1.14	1.3	4	1.89	ASHEVILLE	0.1	0	0.00	0.1	0	0.00
5.1	2	0.24	6.9	7	0.62	ATLANTA	1.3	1	0.47	1.7	2	0.70
1.6	1	0.39	2.0	4	1.23	ATLANTIC CITY	0.3	0	0.00	0.3	2	3.84
0.9	0	0.00	1.1	0	0.00	AUGUSTA	0.4	0	0.00	0.5	0	0.00
1.3	1	0.47	1.6	0	0.00	AUSTIN	0.2	0	0.00	0.3	0	0.00
2.0	3	0.92	2.0	2	0.62	BAKERSFIELD	0.2	0	0.00	0.1	1	5.57
10.8	6	0.34	13.5	16	0.72	BALTIMORE	2.2	0	0.00	2.4	4	1.02
0.8	0	0.00	1.0	1	0.59	BATON ROUGE	0.4	0	0.00	0.5	1	1.16
0.8	1	0.73	0.9	2	1.28	BAY CITY	0.0	0	0.00	0.0	0	0.00
1.6	1	0.37	1.8	2	0.66	BEAUMONT	0.4	0	0.00	0.4	0	0.00
0.6	0	0.00	0.6	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
1.9	1	0.32	2.3	3	0.79	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
3.2	2	0.39	4.0	1	0.15	BIRMINGHAM	1.6	1	0.39	1.9	2	0.65
28.3	22	0.47	37.6	40	0.65	BOSTON	0.6	0	0.00	0.7	0	0.00
5.6	5	0.54	6.7	4	0.36	BRIDGEPORT	0.2	0	0.00	0.2	0	0.00
2.3	2	0.52	2.9	4	0.84	BROCKTON	0.1	0	0.00	0.0	0	0.00
0.9	0	0.00	0.9	1	0.64	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
10.9	12	0.67	12.7	19	0.91	BUFFALO	0.5	1	1.30	0.4	0	0.00
2.9	5	1.03	3.3	7	1.28	CANTON	0.1	0	0.00	0.1	0	0.00
1.2	2	1.03	1.5	1	0.42	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.8	1	0.80	1.0	2	1.26	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.9	1	0.66	CHARLESTON SC	0.3	1	1.77	0.5	2	2.51
1.7	0	0.00	1.9	2	0.63	CHARLESTON WVA	0.1	0	0.00	0.1	0	0.00
1.3	0	0.00	1.7	0	0.00	CHARLOTTE	0.3	0	0.00	0.4	0	0.00
1.8	3	1.03	2.2	3	0.83	CHATTANOOGA	0.4	0	0.00	0.4	0	0.00
48.0	33	0.42	55.8	84	0.92	CHICAGO	5.3	5	0.57	5.8	9	0.94
8.2	12	0.89	10.8	13	0.73	CINCINNATI	0.9	0	0.00	1.0	1	0.60
13.8	8	0.35	16.3	29	1.08	CLEVELAND	1.6	1	0.39	1.7	1	0.36
0.9	2	1.29	1.2	2	0.99	COLORADO SPRGS	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.4	0	0.00	COLUMBIA	0.4	0	0.00	0.5	0	0.00
0.8	1	0.80	1.0	0	0.00	COLUMBUS GA	0.3	0	0.00	0.5	0	0.00
4.4	2	0.27	5.7	10	1.07	COLUMBUS OHIO	0.6	1	1.06	0.6	0	0.00
1.2	2	1.04	1.3	1	0.48	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
6.6	4	0.37	9.4	7	0.51	DALLAS	1.0	0	0.00	1.1	0	0.00
2.5	0	0.00	2.8	2	0.43	DAVENPORT	0.0	0	0.00	0.0	0	0.00
4.6	4	0.52	5.6	7	0.77	DAYTON	0.4	0	0.00	0.4	2	2.76
1.0	0	0.00	1.3	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
6.8	6	0.54	9.4	15	1.08	DENVER	0.2	0	0.00	0.3	0	0.00
2.2	3	0.83	2.8	3	0.65	DES MOINES	0.1	0	0.00	0.1	0	0.00
26.1	22	0.51	27.8	31	0.68	DETROIT	3.3	2	0.37	3.4	9	1.62
0.7	0	0.00	0.9	2	1.34	DUBUQUE	0.0	0	0.00	0.0	0	0.00
3.0	3	0.61	3.0	5	1.03	DULUTH	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.7	3	2.56	DURHAM	0.2	0	0.00	0.3	1	2.26
1.5	1	0.41	1.8	3	1.03	EL PASO	0.0	0	0.00	0.0	0	0.00
2.1	0	0.00	2.5	6	1.46	ERIE	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.4	1	0.44	EUGENE	0.0	0	0.00	0.0	0	0.00
1.7	1	0.36	2.1	4	1.15	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
3.8	2	0.32	5.1	8	0.96	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.9	1	0.69	0.9	1	0.65	FARGO	0.0	0	0.00	0.0	0	0.00
2.4	1	0.25	2.6	6	1.38	FLINT	0.1	0	0.00	0.2	0	0.00
3.4	0	0.00	3.5	2	0.34	FT. LAUDERDALE	0.2	0	0.00	0.2	1	2.75
0.6	1	1.03	0.7	0	0.00	FORT SMITH	0.0	0	0.00	0.1	0	0.00
1.8	0	0.00	2.2	1	0.28	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
3.7	1	0.16	4.5	2	0.27	FORT WORTH	0.4	0	0.00	0.5	0	0.00
2.7	2	0.44	2.9	3	0.63	FRESNO	0.3	0	0.00	0.2	0	0.00
0.6	1	0.96	0.7	1	0.82	GADSDEN	0.1	0	0.00	0.1	2	11.08
0.8	0	0.00	0.9	1	0.69	GALVESTON	0.2	0	0.00	0.2	0	0.00
3.6	5	0.83	3.5	6	1.03	GARY	0.5	2	2.55	0.5	0	0.00
3.0	1	0.21	3.6	10	1.70	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.6	2	2.16	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.0	3	1.89	1.1	3	1.62	GREEN BAY	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.6	4	1.50	GREENSBORO	0.3	1	2.16	0.3	0	0.00
1.1	0	0.00	1.4	1	0.43	GREENVILLE	0.2	0	0.00	0.3	0	0.00
1.4	0	0.00	1.6	2	0.76	HAMILTON	0.1	0	0.00	0.1	0	0.00
2.9	1	0.21	3.6	4	0.67	HARRISBURG	0.2	0	0.00	0.2	0	0.00
5.8	4	0.42	5.8	6	0.53	HARTFORD	0.2	0	0.00	0.2	1	3.61
0.8	3	2.39	0.8	1	0.76	HONOLULU	2.0	3	0.92	1.6	2	0.77
6.2	5	0.49	7.3	4	0.33	HOUSTON	1.4	1	0.44	1.5	0	0.00
2.2	2	0.56	2.5	3	0.73	HUNTINGTON	0.1	0	0.00	0.1	1	6.90
0.5	1	1.18	0.6	0	0.00	HUNTSVILLE	0.1	0	0.00	0.2	0	0.00
4.8	2	0.25	6.2	5	0.49	INDIANAPOLIS	0.7	0	0.00	0.8	0	0.00
1.1	1	0.56	1.3	1	0.48	JACKSON MICH	0.1	0	0.00	0.0	0	0.00
0.7	0	0.00	1.0	0	0.00	JACKSON MISS	0.5	0	0.00	0.5	0	0.00
2.2	0	0.00	2.8	2	0.44	JACKSONVILLE	0.7	0	0.00	0.8	1	0.76
5.8	3	0.52	6.8	5	0.44	JERSEY CITY	0.2	0	0.00	0.2	0	0.00
2.7	4	0.89	2.9	9	1.90	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.3	1	0.47	1.6	1	0.39	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
7.8	4	0.31	9.8	10	0.62	KANSAS CITY	1.0	2	1.23	1.1	3	1.71
0.9	2	1.35	0.9	1	0.64	KENOSHA	0.0	0	0.00	0.0	0	0.00
2.5	4	0.97	3.1	4	0.79	KNOXVILLE	0.2	0	0.00	0.3	0	0.00
0.6	0	0.00	0.7	0	0.00	LAKE CHARLES	0.2	0	0.00	0.2	0	0.00
2.4	0	0.00	3.1	2	0.39	LANCASTER	0.0	0	0.00	0.0	0	0.00
2.2	4	1.10	2.6	5	1.17	LANSING	0.0	0	0.00	0.0	0	0.00
0.4	2	3.01	0.5	1	1.23	LAREDO	0.0	0	0.00	0.0	0	0.00
0.8	1	0.75	0.7	2	1.76	LAS VEGAS	0.1	0	0.00	0.0	0	0.00
0.4	0	0.00	0.5	1	1.33	LAWTON	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.1	0	0.00	LEXINGTON	0.2	0	0.00	0.2	1	2.84
0.9	1	0.70	1.0	4	2.37	LIMA	0.0	0	0.00	0.0	0	0.00
1.3	1	0.47	1.7	1	0.36	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.5	1	0.39	1.9	0	0.00	LITTLE ROCK	0.4	1	1.36	0.5	0	0.00
1.5	4	1.59	1.7	4	1.47	LORAIN	0.1	0	0.00	0.1	1	8.90
51.1	37	0.44	66.5	65	0.39	LOS ANGELES	3.4	3	0.54	3.6	5	0.84

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MALIGNANT NEOPLASM OF THYROID GLAND (I.S.C. 194)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
6.9	6	0.59	6.3	6	0.58	LOUISVILLE	0.7	1	0.87	0.8	2	1.53
0.8	0	0.00	0.9	0	0.00	LUBBOCK	0.1	0	0.00	0.0	0	0.00
0.7	1	0.86	0.9	1	0.65	LYNCHBURG	0.2	0	0.00	0.2	1	2.93
0.7	0	0.00	1.0	1	0.61	MACON	0.3	0	0.00	0.5	0	0.00
1.7	2	0.73	2.0	1	0.30	MADISON	0.0	0	0.00	0.0	0	0.00
1.7	0	0.00	2.1	2	0.57	MANCHESTER	0.0	0	0.00	0.0	0	0.00
2.7	2	0.45	3.6	4	0.67	MEMPHIS	1.7	1	0.37	1.9	4	1.30
8.6	6	0.43	9.3	9	0.59	MIAMI	0.6	1	0.99	0.6	2	1.90
0.3	0	0.00	0.3	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
10.0	12	0.73	11.6	16	0.84	MILWAUKEE	0.3	0	0.00	0.3	0	0.00
12.0	6	0.30	14.9	13	0.53	MINNEAPOLIS	0.2	0	0.00	0.2	0	0.00
1.4	0	0.00	1.6	0	0.00	MOBILE	0.6	1	1.10	0.7	0	0.00
0.5	1	1.19	0.6	0	0.00	MONROE	0.2	0	0.00	0.3	0	0.00
0.7	0	0.00	0.9	3	2.02	MONTGOMERY	0.4	0	0.00	0.6	0	0.00
0.8	0	0.00	1.0	1	0.60	MUNCIE	0.0	1	13.50	0.0	0	0.00
1.1	1	0.57	1.2	1	0.52	MUSKEGON	0.1	0	0.00	0.1	0	0.00
2.4	4	1.03	3.2	1	0.19	NASHVILLE	0.6	1	1.06	0.7	0	0.00
13.9	10	0.44	17.1	29	0.68	NEWARK	3.3	3	1.45	1.5	3	1.22
5.9	5	0.52	7.0	6	0.52	NEW HAVEN	0.2	0	0.00	0.2	0	0.00
4.5	3	0.40	6.0	9	0.91	NEW ORLEANS	1.7	1	0.37	2.1	6	1.76
0.9	1	0.66	1.0	0	0.00	NEWPORT NEWS	0.4	1	1.55	0.4	0	0.00
93.9	112	0.72	111.3	156	0.86	NEW YORK	7.5	2	0.16	9.1	13	0.87
2.4	1	0.26	2.8	3	0.63	NORFOLK	0.9	2	1.33	1.0	3	1.78
0.4	0	0.00	0.6	0	0.00	ODESSA	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
3.6	2	0.34	4.4	5	0.69	OKLAHOMA CITY	0.3	0	0.00	0.3	0	0.00
3.6	2	0.34	4.3	3	0.43	OMAHA	0.2	0	0.00	0.2	0	0.00
2.4	1	0.26	2.7	2	0.45	ORLANDO	0.3	2	3.79	0.3	1	1.90
10.0	3	0.19	11.9	18	0.92	PATERSON	0.2	0	0.00	0.3	1	2.24
0.9	0	0.00	1.1	0	0.00	PENSACOLA	0.2	0	0.00	0.2	0	0.00
2.4	2	0.50	2.9	3	0.63	PEORIA	0.1	0	0.00	0.1	0	0.00
42.9	23	0.52	49.6	51	0.76	PHILADELPHIA	4.4	0	0.00	5.0	11	1.34
4.7	2	0.26	5.0	4	0.48	PHOENIX	0.2	0	0.00	0.2	0	0.00
20.9	13	0.39	23.3	36	0.96	PITTSBURGH	1.4	0	0.00	1.3	4	1.88
1.4	1	0.45	1.7	2	0.70	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
1.7	2	0.70	2.3	5	1.34	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
8.3	6	0.44	9.5	7	0.45	PORTLAND OREG.	0.2	0	0.00	0.1	1	4.52
6.8	3	0.27	8.6	8	0.56	PROVIDENCE	0.1	0	0.00	0.1	0	0.00
0.6	1	0.94	0.7	1	0.86	PROVO	0.0	0	0.00	0.0	0	0.00
1.0	0	0.00	1.1	3	1.62	PUEBLO	0.0	0	0.00	0.0	0	0.00
1.2	0	0.00	1.4	2	0.90	RACINE	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	1.0	2	1.16	RALEIGH	0.3	1	2.32	0.3	0	0.00
2.8	2	0.43	3.3	0	0.00	READING	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.7	1	0.90	RENO	0.0	0	0.00	0.0	0	0.00
2.3	0	0.00	3.3	1	0.19	RICHMOND	0.7	2	1.68	0.9	0	0.00
1.2	1	0.51	1.5	5	2.06	ROANOKE	0.2	0	0.00	0.2	0	0.00
5.4	6	0.67	6.9	6	0.54	ROCHESTER	0.1	0	0.00	0.1	0	0.00
1.7	2	0.72	1.9	2	0.64	ROCKFORD	0.0	0	0.00	0.0	0	0.00
3.5	1	0.17	3.7	2	0.33	SACRAMENTO	0.3	0	0.00	0.2	0	0.00
1.4	0	0.00	1.6	1	0.38	SAGINAW	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.3	1	0.46	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
15.5	8	0.31	19.7	22	0.68	ST. LOUIS	2.1	4	1.14	2.6	1	0.25
2.6	3	0.70	3.0	2	0.40	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	1	1.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
4.2	4	0.58	5.2	2	0.23	SAN ANTONIO	0.3	0	0.00	0.4	0	0.00
7.0	5	0.43	7.7	6	0.47	SAN BERNARDINO	0.2	0	0.00	0.2	0	0.00
7.0	4	0.35	8.6	11	0.80	SAN DIEGO	0.2	0	0.00	0.2	1	2.78
22.3	6	0.25	26.8	31	0.70	SAN FRANCISCO	2.1	0	0.00	1.7	2	0.72
4.2	5	0.73	5.1	3	0.36	SAN JOSE	0.1	1	4.35	0.1	0	0.00
1.3	1	0.45	1.7	3	1.08	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	1.0	2	1.16	SAVANNAH	0.4	1	1.50	0.5	1	1.16
2.4	1	0.25	3.0	2	0.40	SCRANTON	0.0	0	0.00	0.0	0	0.00
9.6	4	0.25	10.9	9	0.50	SEATTLE	0.4	0	0.00	0.3	0	0.00
1.3	2	0.94	1.6	0	0.00	SHREVEPORT	0.7	0	0.00	0.9	0	0.00
1.1	0	0.00	1.2	1	0.49	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.8	2	1.45	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
1.9	2	0.64	2.2	3	0.86	SOUTH BEND	0.1	0	0.00	0.1	1	7.31
2.7	2	0.45	3.0	9	1.85	SPOKANE	0.0	0	0.00	0.0	0	0.00
1.4	0	0.00	1.8	5	1.73	SPRINGFIELD I.	0.1	0	0.00	0.1	1	9.29
1.2	0	0.00	1.5	5	1.97	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
1.1	1	0.57	1.3	1	0.46	SPRINGFIELD O.	0.1	0	0.00	0.1	1	5.02
4.7	3	0.38	6.1	6	0.60	SPRINGFIELD MA	0.1	1	8.29	0.1	0	0.00
1.5	2	0.83	1.6	1	0.42	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
2.3	2	0.54	2.2	3	0.86	STOCKTON	0.3	0	0.00	0.1	0	0.00
4.9	4	0.49	5.8	6	0.63	SYRACUSE	0.1	0	0.00	0.1	0	0.00
2.8	3	0.65	3.1	3	0.60	TACOMA	0.1	0	0.00	0.1	0	0.00
10.2	5	0.30	11.2	11	0.60	TAMPA	0.6	0	0.00	0.6	0	0.00
1.1	0	0.00	1.3	1	0.46	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.8	1	0.77	TEXARKANA	0.2	0	0.00	0.2	1	2.62
3.9	1	0.16	4.7	8	1.05	TOLEDO	0.3	0	0.00	0.3	0	0.00
1.1	0	0.00	1.4	1	0.42	TOPEKA	0.1	0	0.00	0.1	1	6.25
2.2	1	0.28	2.6	6	1.41	TRENTON	0.2	0	0.00	0.2	0	0.00
1.9	5	1.61	2.1	3	0.87	TUCSON	0.1	1	5.29	0.1	1	6.09
3.1	1	0.20	3.7	1	0.17	TULSA	0.3	0	0.00	0.3	0	0.00
0.6	0	0.00	0.7	0	0.00	TUSCALOOSA	0.2	0	0.00	0.2	0	0.00
0.6	1	1.08	0.7	0	0.00	TYLER	0.2	0	0.00	0.2	1	3.01
3.3	1	0.19	3.8	1	0.16	UTICA	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.6	1	0.45	WACO	0.2	0	0.00	0.2	0	0.00
9.9	4	0.25	13.6	15	0.68	WASHINGTON	2.8	3	0.64	3.3	1	0.18
1.0	0	0.00	1.1	2	1.06	WATERLOO	0.0	0	0.00	0.0	0	0.00
2.3	0	0.00	2.5	3	0.72	W. PALM BEACH	0.3	0	0.00	0.3	0	0.00
2.0	0	0.00	2.3	6	1.59	WHEELING	0.1	0	0.00	0.0	0	0.00
2.1	3	0.85	2.7	2	0.45	WICHITA	0.1	0	0.00	0.0	0	0.00
0.9	0	0.00	1.0	1	0.58	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
3.5	3	0.52	4.6	7	0.97	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
2.5	4	0.98	3.0	3	0.61	WILMINGTON	0.3	0	0.00	0.3	1	1.97
0.9	0	0.00	1.2	1	0.52	WINSTON-SALEM	0.3	0	0.00	0.4	1	1.67
5.8	1	0.11	7.2	7	0.59	WORCESTER	0.0	0	0.00	0.0	0	0.00
2.2	2	0.56	2.5	7	1.69	YORK	0.0	0	0.00	0.0	0	0.00
4.2	3	0.44	4.6	8	1.23	YOUNGSTOWN	0.3	0	0.00	0.3	1	2.07
864.1	651	0.46	1037.4	1239	0.73	TOTAL 201 SMSA	81.4	58	0.43	89.1	124	0.85

ALL AGE STANDARD RATE = 0.62

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

LEUKEMIA AND ALEUKEMIA (I.S.C. 204)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
10.4	12	7.98	11.7	14	8.30	ABILENE	0.5	1	14.31	0.5	0	0.00
46.6	70	10.39	50.9	39	9.30	AKRON	3.3	3	6.25	3.4	1	2.03
3.6	4	7.72	3.9	4	7.15	ALBANY GA	2.0	0	0.00	2.7	0	0.00
69.0	87	8.72	81.9	60	5.06	ALBANY NY	1.4	2	9.80	1.5	2	9.27
19.9	26	9.05	21.1	16	5.25	ALBUQUERQUE	0.6	1	11.21	0.6	0	0.00
51.5	66	8.85	59.4	35	4.14	ALLENTOWN	0.4	0	0.00	0.4	0	0.00
15.4	23	10.35	17.9	10	3.86	ALTOONA	0.1	0	0.00	0.1	0	0.00
11.6	19	11.29	12.5	11	6.10	AMARILLO	0.6	0	0.00	0.6	0	0.00
13.6	16	9.12	15.6	11	4.97	ANN ARBOR	1.0	3	19.85	1.0	0	0.00
11.9	13	7.54	13.8	11	5.52	ASHEVILLE	1.4	0	0.00	1.6	1	4.24
65.9	79	8.29	80.0	73	6.31	ATLANTA	18.0	12	4.60	22.2	21	6.54
16.4	23	9.69	19.4	13	4.63	ATLANTIC CITY	3.0	4	9.08	3.4	2	4.05
12.2	13	7.34	13.6	11	5.60	AUGUSTA	5.3	3	3.90	6.5	6	6.39
16.4	27	9.28	19.7	14	5.18	AUSTIN	2.5	0	0.00	3.0	1	2.30
24.8	47	13.09	24.5	26	7.30	BAKERSFIELD	2.1	3	10.02	1.6	0	0.00
126.9	143	7.79	149.8	129	6.00	BALTIMORE	30.9	28	6.27	32.6	19	4.03
12.0	14	8.09	13.5	10	5.12	BATON ROUGE	6.0	5	5.76	6.8	3	3.03
10.2	17	11.57	11.1	7	4.36	BAY CITY	0.1	0	0.00	0.1	0	0.00
21.0	35	11.50	22.5	15	4.62	BEAUMONT	5.3	5	6.46	5.5	6	7.53
7.3	11	10.39	7.6	5	4.54	BILLINGS	0.1	0	0.00	0.1	0	0.00
21.7	21	6.69	25.0	22	6.09	BINGHAMTON	0.2	0	0.00	0.1	0	0.00
38.0	46	8.39	44.8	34	5.24	BIRMINGHAM	19.6	17	5.99	22.7	11	3.35
313.8	375	8.24	390.2	320	5.67	BOSTON	7.9	7	6.15	8.4	4	3.28
63.2	83	9.08	72.6	61	5.81	BRIDGEPORT	2.5	4	10.91	2.8	1	2.47
26.2	34	8.99	30.8	24	5.38	BROCKTON	0.6	2	23.51	0.4	0	0.00
12.3	8	4.59	13.0	9	4.77	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
123.5	169	9.46	138.7	121	6.03	BUFFALO	6.8	11	11.13	6.8	2	2.04
33.4	38	7.87	36.7	31	5.84	CANTON	1.6	0	0.00	1.5	1	4.48
13.7	16	8.09	15.9	14	6.08	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
10.4	9	5.79	11.5	9	5.42	CHAMPAIGN	0.5	0	0.00	0.6	1	12.18
10.6	8	5.24	11.8	16	9.41	CHARLESTON SC	5.6	2	2.45	6.9	1	1.00
21.4	34	11.65	23.3	18	5.34	CHARLESTON WVA	1.5	0	0.00	1.7	0	0.00
16.6	21	8.76	20.2	10	3.43	CHARLOTTE	5.0	5	6.88	5.8	5	5.93
21.3	26	9.44	25.0	22	6.09	CHATTANOOGA	4.4	4	6.22	5.3	2	2.62
539.0	688	9.33	607.1	538	6.18	CHICAGO	73.3	57	5.38	79.1	50	4.37
94.0	113	8.31	115.9	88	5.25	CINCINNATI	11.6	12	7.14	12.6	13	7.12
155.6	217	9.64	176.5	153	5.99	CLEVELAND	21.0	14	4.61	22.5	16	4.91
12.2	14	7.71	14.3	11	5.33	COLORADO SPRGS	0.4	0	0.00	0.4	0	0.00
15.2	13	5.72	17.0	17	6.92	COLUMBIA	5.9	2	2.34	6.7	4	4.15
11.5	11	6.61	12.8	7	3.77	COLUMBUS GA	4.8	2	2.90	5.9	3	3.51
54.6	59	8.74	64.8	54	5.76	COLUMBUS OHIO	7.3	6	5.71	7.6	5	4.56
16.8	22	9.04	17.6	16	6.30	CORPUS CHRISTI	0.8	2	16.87	0.9	0	0.00
81.6	126	10.68	94.8	110	7.86	DALLAS	13.2	12	6.27	14.1	7	3.44
27.7	35	9.73	30.9	20	4.48	DAVENPORT	0.6	0	0.00	0.5	0	0.00
57.2	74	8.94	64.6	66	7.06	DAYTON	5.8	3	3.57	6.0	4	4.59
11.5	16	9.60	13.6	11	5.58	DECATUR	0.5	0	0.00	0.5	0	0.00
82.9	114	9.50	96.3	81	5.82	DENVER	3.3	5	10.54	3.4	1	2.01
25.2	29	7.94	30.4	25	5.68	DES MOINES	1.0	1	6.66	3.1	0	0.00
308.0	361	8.10	322.3	248	5.32	DETROIT	45.2	31	4.74	46.9	21	3.09
8.0	8	6.94	9.9	10	7.00	DUBUQUE	0.0	0	0.00	0.0	1	799.15
32.2	42	9.01	31.9	21	4.55	DULUTH	0.2	0	0.00	0.2	0	0.00
6.5	8	8.51	8.0	8	6.91	DURHAM	2.9	4	9.65	3.4	2	4.05
22.8	17	5.15	24.9	24	6.66	EL PASO	0.8	0	0.00	0.6	1	10.87
24.8	38	10.61	27.6	33	8.25	ERIE	0.5	1	12.88	0.5	0	0.00
15.7	23	10.10	16.2	13	5.56	EUGENE	0.1	0	0.00	0.1	0	0.00
19.0	22	8.01	22.7	16	4.88	EVANSVILLE	1.4	1	4.86	1.5	1	4.52
41.9	42	6.93	52.0	32	4.25	FALL RIVER	0.6	2	24.82	0.5	0	0.00
10.5	23	15.17	10.8	9	5.74	FARGO	0.0	0	0.00	0.0	0	0.00
30.6	43	9.72	32.3	32	6.85	FLINT	2.6	3	8.06	2.6	0	0.00
34.5	56	11.21	35.6	20	3.98	FT. LAUDERDALE	3.8	4	7.25	3.9	0	0.00
6.5	16	16.93	7.8	4	3.56	FORT SMITH	0.5	0	0.00	0.6	0	0.00
21.1	28	9.16	24.6	20	5.63	FORT WAYNE	0.9	1	7.88	0.9	1	7.50
45.8	59	8.99	52.4	43	5.67	FORT WORTH	5.4	3	3.86	5.6	5	5.93
32.9	41	8.09	34.2	26	5.26	FRESNO	3.0	1	2.30	2.3	2	6.06
7.6	10	9.09	9.5	5	4.05	GADSDEN	1.3	0	0.00	1.4	1	4.89
10.0	13	8.95	10.5	17	11.18	GALVESTON	2.6	3	7.92	2.7	0	0.00
45.2	34	5.20	44.0	43	6.76	GARY	6.9	8	8.03	7.0	1	0.99
34.6	46	8.78	39.9	30	5.20	GRAND RAPIDS	1.2	2	11.40	1.2	0	0.00
7.0	5	4.94	6.9	2	2.02	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
11.9	10	5.93	13.1	15	7.93	GREEN BAY	0.1	0	0.00	0.1	0	0.00
16.4	23	9.72	19.3	14	5.01	GREENSBORO	4.0	5	8.68	4.4	1	1.58
14.4	16	7.70	16.8	17	6.98	GREENVILLE	2.9	1	2.40	3.6	0	0.00
17.0	16	6.51	19.9	12	4.40	HAMILTON	0.9	3	23.21	0.9	1	7.47
32.5	39	8.29	38.8	28	4.99	HARRISBURG	2.0	4	13.88	2.1	2	6.47
66.1	89	9.32	74.7	58	5.37	HARTFORD	2.4	2	5.79	2.5	0	0.00
12.9	8	4.29	11.9	10	5.82	HONOLULU	27.3	23	5.83	23.6	21	6.15
82.2	105	8.83	91.3	82	6.21	HOUSTON	19.6	14	4.93	21.1	17	5.58
25.0	16	4.42	27.7	19	4.74	HUNTINGTON	0.9	1	7.81	0.9	1	7.40
7.4	7	6.51	7.9	5	4.36	HUNTSVILLE	1.8	0	0.00	2.1	2	6.58
56.7	71	8.65	68.3	44	4.46	INDIANAPOLIS	9.2	11	8.31	10.0	6	4.17
12.7	16	8.69	14.0	7	3.46	JACKSON MICH	0.7	0	0.00	0.4	0	0.00
9.2	16	12.01	11.4	10	6.08	JACKSON MISS	6.3	3	3.29	7.1	9	8.71
29.4	35	8.23	33.3	21	4.36	JACKSONVILLE	8.9	8	6.23	10.1	10	6.82
61.9	79	8.82	70.2	48	4.73	JERSEY CITY	3.1	2	4.46	3.5	3	6.01
30.3	37	8.45	31.5	26	5.71	JOHNSTOWN	0.4	1	19.50	0.3	0	0.00
15.5	11	4.92	17.7	13	5.07	KALAMAZOO	0.5	1	13.81	0.5	0	0.00
90.3	112	8.57	107.5	96	6.17	KANSAS CITY	11.7	12	7.09	12.6	15	8.26
10.3	10	6.68	10.6	5	3.25	KENOSHA	0.1	0	0.00	0.1	0	0.00
30.7	51	11.50	35.3	29	5.68	KNOXVILLE	2.6	3	8.13	3.0	3	6.93
8.9	16	12.39	9.4	6	4.42	LAKE CHARLES	2.5	1	2.81	2.5	2	5.50
27.9	32	7.92	33.4	26	5.39	LANCASTER	0.3	0	0.00	0.3	1	20.03
27.1	32	8.16	30.2	22	5.03	LANSING	0.6	0	0.00	0.6	0	0.00
5.5	2	2.56	6.5	3	3.31	LAREDO	0.0	0	0.00	0.0	0	0.00
10.2	13	8.82	9.1	7	5.31	LAS VEGAS	0.9	3	23.60	0.8	2	17.28
6.3	9	8.78	6.0	3	3.43	LAWTON	0.8	1	8.99	0.7	0	0.00
10.3	16	10.70	12.2	7	3.98	LEXINGTON	2.2	1	3.20	2.3	1	2.95
10.0	8	5.53	11.2	17	10.47	LIMA	0.6	0	0.00	0.6	0	0.00
15.0	20	9.21	18.1	17	6.48	LINCOLN	0.3	0	0.00	0.2	0	0.00
18.2	29	11.04	20.8	19	6.32	LITTLE ROCK	5.3	1	1.31	5.8	4	4.75
19.1	22	7.98	20.0	18	6.21	LORAIN	1.0	0	0.00	1.0	0	0.00
594.1	733	8.53	718.8	586	5.64	LOS ANGELES	46.9	37	5.45	49.1	33	4.64

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

LEUKEMIA AND ALEUKEMIA (I.S.C. 204)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
59.3	97	11.31	71.4	53	5.14	LOUISVILLE	8.2	11	9.27	9.2	6	4.53
11.5	17	10.25	12.4	15	8.35	LUBBOCK	0.9	0	0.00	0.9	2	15.57
8.2	9	7.57	10.1	6	4.09	LYNCHBURG	2.2	0	0.00	2.5	1	2.81
10.0	8	5.52	12.0	6	3.46	MACON	4.4	2	3.13	5.7	3	3.66
20.4	16	5.41	23.2	24	7.15	MADISON	0.2	0	0.00	0.2	0	0.00
18.5	29	10.83	22.6	20	6.12	MANCHESTER	0.0	0	0.00	0.0	0	0.00
34.1	56	11.35	41.7	44	7.29	MEMPHIS	20.9	16	5.29	23.2	21	6.27
90.2	97	7.44	96.0	69	4.97	MIAMI	9.8	8	5.62	10.2	7	4.76
4.3	5	8.10	4.5	4	6.11	MIDLAND	0.4	0	0.00	0.5	0	0.00
113.8	155	9.42	127.4	89	4.93	MILWAUKEE	4.7	5	7.33	4.6	5	7.45
141.6	218	10.64	165.7	131	5.47	MINNEAPOLIS	2.4	1	2.83	2.4	1	2.90
17.9	25	9.67	20.0	15	5.18	MOBILE	7.9	5	4.35	9.3	7	5.22
6.3	3	3.30	7.0	6	5.96	MONROE	3.1	2	4.47	3.4	2	4.01
8.7	12	9.59	10.6	14	9.13	MONTGOMERY	5.4	4	5.08	7.0	2	1.99
10.1	15	10.28	11.4	11	6.66	MUNCIE	0.6	0	0.00	0.5	0	0.00
13.1	10	5.20	13.9	15	7.44	MUSKEGON	1.0	2	14.05	1.0	0	0.00
28.8	29	6.96	35.5	25	4.87	NASHVILLE	7.0	6	5.96	8.2	4	3.39
152.1	182	8.27	170.1	136	5.25	NEWARK	17.3	21	8.38	19.8	11	3.84
65.3	91	9.63	74.3	69	6.42	NEW HAVEN	2.7	3	7.73	2.8	4	9.81
54.2	70	8.93	66.4	48	5.00	NEW ORLEANS	22.3	15	4.65	26.2	16	4.22
13.0	22	11.72	13.0	11	5.86	NEWPORT NEWS	5.3	4	5.27	5.2	3	4.00
1003.8	1292	8.90	1151.0	999	6.00	NEW YORK	98.6	74	5.19	116.0	77	4.59
33.8	41	8.39	36.4	31	5.92	NORFOLK	12.5	11	6.08	13.6	8	4.08
6.1	7	7.99	5.9	5	5.81	ODESSA	0.3	0	0.00	0.3	0	0.00
9.8	8	5.65	10.3	4	2.68	OGDEN	0.3	0	0.00	0.2	0	0.00
43.3	47	7.51	49.9	54	7.48	OKLAHOMA CITY	4.1	7	11.94	4.4	5	7.91
42.4	48	7.82	47.9	40	5.77	OMAHA	2.5	3	8.34	2.6	2	5.28
27.1	36	9.17	29.9	21	4.85	ORLANDO	4.4	7	10.94	4.4	4	6.27
113.6	149	9.07	129.7	104	5.55	PATERSON	3.2	1	2.14	3.8	3	5.53
13.3	9	4.69	14.1	8	3.93	PENSACOLA	3.0	1	2.33	3.4	3	6.11
28.0	33	8.15	31.8	35	7.62	PEORIA	0.8	0	0.00	0.9	0	0.00
370.4	466	8.70	432.8	368	5.88	PHILADELPHIA	57.0	47	5.70	63.1	34	3.73
58.4	67	7.94	59.8	48	5.55	PHOENIX	3.3	1	2.11	2.9	1	2.40
233.4	279	8.24	254.3	207	5.63	PITTSBURGH	16.0	14	6.05	15.7	7	3.09
15.0	18	8.28	18.2	14	5.32	PITTSFIELD	0.2	0	0.00	0.2	0	0.00
19.3	24	8.62	23.7	19	5.54	PORTLAND MAINE	0.1	1	87.87	0.1	0	0.00
89.3	133	10.30	100.0	90	6.22	PORTLAND OREG.	2.3	1	3.03	1.9	3	10.77
74.3	86	8.00	89.8	73	5.62	PROVIDENCE	1.3	0	0.00	1.4	0	0.00
8.9	10	7.81	9.4	6	4.44	PROVO	0.0	0	0.00	0.0	0	0.00
12.0	11	6.33	12.8	7	3.78	PUEBLO	0.3	2	45.48	0.3	0	0.00
14.0	19	9.41	15.2	6	2.73	RACINE	0.4	0	0.00	0.4	1	19.70
10.6	11	7.21	12.2	7	3.96	RALEIGH	3.6	8	15.42	4.1	2	3.38
30.1	34	7.82	34.0	26	5.28	READING	0.4	1	16.65	0.4	0	0.00
8.2	12	10.09	7.9	6	5.26	RENO	0.3	0	0.00	0.3	0	0.00
27.4	21	5.49	35.4	28	5.47	RICHMOND	9.2	6	4.51	10.6	3	1.96
13.5	17	8.69	16.0	9	3.89	ROANOKE	1.9	2	7.26	2.1	0	0.00
59.9	67	7.73	71.0	51	4.97	ROCHESTER	1.7	2	7.93	1.8	1	3.80
19.7	25	8.76	21.8	20	6.35	ROCKFORD	0.6	0	0.00	0.7	0	0.00
43.4	67	10.67	44.2	35	5.47	SACRAMENTO	3.4	3	6.08	2.7	2	5.19
16.7	23	9.52	18.3	12	4.53	SAGINAW	1.4	0	0.00	1.3	2	10.33
10.7	14	9.03	13.1	15	7.90	ST. JOSEPH	0.3	0	0.00	0.4	0	0.00
176.3	209	8.20	211.6	163	5.33	ST. LOUIS	26.7	22	5.70	29.9	28	6.48
33.6	44	9.05	37.3	34	6.30	SALT LAKE CITY	0.6	0	0.00	0.4	1	16.31
6.1	8	9.09	6.9	7	7.12	SAN ANGELO	0.3	0	0.00	0.4	0	0.00
55.1	75	9.42	63.1	51	5.59	SAN ANTONIO	4.0	4	6.92	4.6	1	1.49
80.8	89	7.53	85.7	71	5.73	SAN BERNARDINO	3.3	1	2.10	3.0	1	2.33
88.5	129	10.07	96.3	64	4.60	SAN DIEGO	4.1	9	15.21	3.7	2	3.75
249.1	307	8.52	295.7	253	6.12	SAN FRANCISCO	28.6	26	6.29	25.4	19	5.17
54.1	82	10.49	61.4	44	4.96	SAN JOSE	1.8	3	11.26	1.5	0	0.00
15.9	12	5.23	18.4	12	4.50	SANTA BARBARA	0.6	0	0.00	0.4	0	0.00
10.2	9	6.09	12.4	10	5.57	SAVANNAH	5.3	2	2.61	6.4	0	0.00
25.5	29	7.85	30.9	21	4.70	SCRANTON	0.1	0	0.00	0.1	0	0.00
109.3	162	10.25	119.8	100	5.77	SEATTLE	5.1	6	8.08	4.0	1	1.74
16.2	22	9.39	19.7	19	7.04	SHREVEPORT	8.9	6	4.64	10.4	10	6.68
11.9	16	9.29	13.2	9	4.73	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
8.6	18	14.54	9.5	7	5.09	SIOUX FALLS	0.1	0	0.00	0.0	0	0.00
22.1	32	10.00	24.2	14	3.99	SOUTH BEND	1.2	0	0.00	1.2	0	0.00
30.1	45	10.33	32.2	24	5.16	SPOKANE	0.5	0	0.00	0.4	0	0.00
15.2	16	7.30	19.3	15	5.66	SPRINGFIELD I.	0.6	1	10.81	0.7	0	0.00
13.4	21	10.83	16.0	12	5.18	SPRINGFIELD MO	0.3	0	0.00	0.3	1	23.01
12.3	18	10.15	14.3	15	7.27	SPRINGFIELD O.	1.2	0	0.00	1.4	1	4.96
53.2	48	6.24	64.1	55	5.93	SPRINGFIELD MA	1.2	2	11.89	1.3	1	5.48
16.6	16	6.65	16.6	6	2.50	STEUBENVILLE	0.7	1	9.74	0.7	0	0.00
25.0	25	6.90	24.1	16	4.59	STOCKTON	3.1	1	2.20	1.7	2	8.02
56.4	70	8.59	63.7	53	5.75	SYRACUSE	1.1	1	6.34	1.1	3	19.37
32.0	30	8.42	33.6	21	4.33	TACOMA	1.1	1	6.01	1.0	0	0.00
98.8	138	9.66	106.6	72	4.67	TAMPA	7.6	2	1.83	8.0	5	4.32
11.7	23	13.54	13.7	10	5.04	TERRE HAUTE	0.6	0	0.00	0.6	0	0.00
7.6	8	7.32	8.3	12	9.97	TEXARKANA	2.4	0	0.00	2.6	0	0.00
43.6	70	11.11	49.8	38	5.28	TOLEDO	3.7	3	5.65	3.8	2	3.60
13.0	12	6.36	15.6	11	4.87	TOPEKA	1.0	2	13.29	1.1	1	6.25
24.0	43	12.36	27.3	20	5.06	TRENTON	2.7	2	5.19	2.7	0	0.00
23.0	38	11.40	24.7	20	5.60	TUCSON	1.5	0	0.00	1.4	1	5.01
36.2	53	10.13	41.4	34	5.68	TULSA	3.7	4	7.52	4.1	2	3.41
7.4	8	7.48	9.1	3	2.56	TUSCALOOSA	2.7	3	7.72	3.0	2	4.59
6.4	8	8.70	7.2	5	4.79	TYLER	2.2	1	3.10	2.4	3	8.58
35.9	39	7.52	40.5	31	5.29	UTICA	0.4	0	0.00	0.4	0	0.00
12.9	11	5.99	14.6	17	8.04	WACO	2.4	3	8.55	2.7	1	2.55
125.8	155	8.52	154.9	136	6.07	WASHINGTON	39.3	33	5.81	43.6	28	4.44
11.5	13	7.84	13.0	12	6.37	WATERLOO	0.4	0	0.00	0.4	0	0.00
22.9	34	10.25	24.8	20	5.57	W. PALM BEACH	4.5	0	0.00	3.9	3	5.39
21.6	31	9.93	23.9	18	5.21	WHEELING	0.6	1	12.40	0.5	0	0.00
27.7	36	8.97	32.0	29	6.26	WICHITA	1.7	1	4.04	1.8	1	3.91
11.1	16	9.97	12.1	12	6.87	WICHITA FALLS	0.8	0	0.00	0.8	0	0.00
37.3	50	9.26	44.5	31	4.82	WILKES-BARRE	0.1	1	58.28	0.1	0	0.00
30.0	34	7.84	33.9	27	5.50	WILMINGTON	4.1	3	5.08	4.0	0	0.00
11.9	24	14.00	14.0	12	5.94	WINSTON-SALEM	3.7	2	3.71	4.5	4	6.15
63.2	79	8.64	74.9	56	5.17	WORCESTER	0.4	1	18.80	0.4	0	0.00
24.2	26	7.43	27.2	24	6.11	YORK	0.4	2	30.90	0.5	0	0.00
47.5	64	9.32	49.8	66	9.16	YOUNGSTOWN	4.2	1	1.65	4.0	1	1.74
9939.2	12593	8.76	11354.6	9339	5.69	TOTAL 201 SMSA	1089.5	888	5.64	1173.7	741	4.37

ALL AGE STANDARD RATE = 6.91

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUES (I.S.C. 200-203,205)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
10.9	4	2.76	12.3	6	3.67	ABILENE	0.5	1	15.63	0.5	1	15.28
91.1	67	9.89	95.7	60	8.13	AKRON	3.4	4	8.96	3.4	1	2.20
3.5	2	6.28	3.8	5	9.90	ALBANY GA	1.9	2	8.02	2.7	2	5.66
76.3	95	9.34	93.5	73	6.04	ALBANY NY	1.4	3	15.78	1.5	1	5.04
19.9	29	7.59	21.6	20	7.05	ALBUQUERQUE	0.6	1	13.41	0.5	0	0.00
57.4	61	8.01	65.0	49	5.69	ALLENTOWN	0.4	1	18.89	0.4	0	0.00
16.9	15	6.71	17.9	13	6.05	ALTOONA	0.1	0	0.00	0.1	0	0.00
12.2	8	6.95	13.1	5	2.97	AMARILLO	0.6	1	12.45	0.6	0	0.00
14.4	16	8.39	16.4	17	7.80	ANN ARBOR	1.1	0	0.00	1.0	0	0.00
13.0	15	8.09	15.2	10	6.05	ASHEVILLE	1.6	2	9.65	1.8	2	8.32
70.4	60	6.43	86.6	55	6.80	ATLANTA	18.1	11	4.57	23.2	12	3.89
18.5	16	5.72	22.0	17	5.83	ATLANTIC CITY	3.3	6	13.68	3.8	3	5.99
12.8	10	5.87	14.4	10	5.25	AUGUSTA	5.2	3	4.35	6.7	2	2.26
17.3	11	4.81	19.8	19	7.22	AUSTIN	2.5	2	5.97	3.2	1	2.36
26.2	24	7.49	25.9	20	5.83	BAKERSFIELD	2.2	5	17.13	1.6	2	9.72
140.2	170	9.14	143.6	143	6.59	BALTIMORE	31.8	35	8.30	33.4	21	4.74
12.3	14	8.55	14.0	10	5.37	BATON ROUGE	5.8	4	5.10	6.9	4	4.38
10.6	7	6.99	11.6	8	5.19	BAY CITY	0.1	0	0.00	0.1	0	0.00
22.6	25	6.33	24.1	23	7.21	BEAUMONT	5.4	4	5.56	5.6	5	6.69
7.6	14	13.89	7.9	8	7.62	BILLINGS	0.1	0	0.00	0.1	0	0.00
23.8	34	10.79	27.3	21	5.80	BINGHAMTON	0.2	0	0.00	0.2	0	0.00
41.3	49	8.95	49.3	36	5.51	BIRMINGHAM	20.1	25	9.36	23.8	15	4.74
344.0	458	10.04	430.0	391	6.85	BOSTON	8.2	7	6.45	5.7	9	7.79
70.2	77	8.24	80.5	61	5.71	BRIDGEPORT	2.6	6	17.52	2.9	4	10.31
28.0	41	11.04	32.9	27	6.18	BROCKTON	0.6	0	0.00	0.4	0	0.00
11.7	10	6.47	12.7	7	6.19	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
135.9	177	9.62	152.6	172	6.03	BUFFALO	6.9	14	15.20	6.7	5	5.60
36.1	47	9.81	39.5	29	5.53	CANTON	1.6	2	9.45	1.6	0	0.00
14.5	28	13.02	16.9	18	8.06	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
10.6	11	7.79	11.9	7	5.69	CHAMPAIGN	0.6	1	13.25	0.6	0	0.00
10.8	10	6.95	12.2	9	5.55	CHARLESTON SC	5.1	5	7.35	6.7	4	4.53
22.8	29	9.01	25.0	11	3.31	CHARLESTON WVA	1.7	2	9.11	1.8	1	4.14
17.7	25	10.66	21.7	14	4.87	CHARLOTTE	4.9	4	6.15	5.9	4	5.14
22.9	26	7.89	27.3	25	6.91	CHATTANOOGA	4.7	5	8.07	5.7	2	2.64
604.5	774	9.05	673.6	581	6.50	CHICAGO	75.2	96	9.62	81.3	69	6.40
101.9	150	11.17	125.9	86	5.15	CINCINNATI	12.3	16	9.84	13.5	8	4.48
172.6	245	10.71	196.1	187	7.10	CLEVELAND	21.9	23	7.91	23.5	20	6.42
12.6	13	7.74	14.9	8	4.05	COLORADO SPRGS	0.4	0	0.00	0.4	0	0.00
16.1	12	5.63	18.3	10	4.13	COLUMBIA	5.7	7	9.20	6.6	1	1.14
11.7	9	5.70	13.3	12	6.80	COLUMBUS GA	4.6	3	4.96	6.0	4	5.01
97.9	83	10.00	69.2	51	5.56	COLUMBUS OHIO	7.6	5	4.94	7.9	4	3.80
16.7	28	12.63	17.6	15	6.61	CORPUS CHRISTI	0.8	1	8.88	0.9	0	0.00
87.8	102	8.75	106.9	77	5.53	DALLAS	13.2	14	7.97	14.4	10	5.25
30.0	31	7.70	33.6	20	4.52	DAVENPORT	0.6	0	0.00	0.5	0	0.00
60.6	82	10.20	68.7	66	7.25	DAYTON	6.0	15	18.94	6.2	3	3.67
12.3	15	9.16	14.7	11	5.63	DECATUR	0.5	2	31.56	0.5	2	29.15
87.6	105	9.06	102.1	71	5.26	DENVER	3.3	6	9.12	3.5	2	4.36
27.0	30	10.87	32.8	32	7.35	DES MOINES	1.1	2	14.13	1.2	1	6.37
337.9	444	9.90	351.6	203	6.28	DETROIT	47.2	46	7.35	49.7	37	5.73
8.2	8	7.39	10.2	6	6.43	DUBUQUE	0.0	0	0.00	0.0	0	0.00
34.7	62	13.44	34.6	39	8.49	DULUTH	0.2	0	0.00	0.2	0	0.00
7.1	8	8.44	8.9	11	9.36	DURHAM	3.0	5	12.65	3.6	3	6.23
22.0	19	6.59	24.6	24	7.36	EL PASO	0.7	0	0.00	0.6	1	12.95
26.6	28	7.95	29.8	25	6.32	ERIE	0.5	0	0.00	0.5	0	0.00
16.8	26	11.60	17.1	9	3.96	EUGENE	0.1	0	0.00	0.1	0	0.00
20.5	19	6.98	24.7	16	6.27	EVANSVILLE	1.5	0	0.00	1.7	0	0.00
46.4	49	7.97	57.8	42	5.68	FALL RIVER	0.6	0	0.00	0.5	3	42.61
11.0	21	16.38	11.4	15	9.92	FARGO	0.0	0	0.00	0.0	0	0.00
32.2	37	9.67	33.9	42	9.35	FLINT	2.4	3	9.38	2.4	2	6.30
39.8	43	8.14	41.9	34	6.12	FT. LAUDERDALE	3.5	4	8.56	3.6	2	4.22
7.1	5	5.33	8.5	2	1.78	FORT SMITH	0.5	0	0.00	0.6	0	0.00
22.5	32	10.71	26.3	25	7.17	FORT WAYNE	0.8	3	27.92	0.9	2	17.66
64.0	72	11.09	56.3	40	5.35	FORT WORTH	5.5	7	9.64	6.0	2	2.50
34.7	45	9.77	34.1	23	6.81	FRESNO	3.1	2	4.86	2.3	4	12.92
8.2	14	12.93	9.3	6	6.80	GADSDEN	1.2	0	0.00	1.4	0	0.00
10.9	15	10.36	11.4	10	6.63	GALVESTON	2.7	5	13.72	2.8	3	7.94
48.4	57	9.87	46.6	35	5.66	GARY	6.8	10	11.03	6.8	1	1.11
36.6	41	8.45	42.2	33	5.90	GRAND RAPIDS	1.2	2	12.91	1.2	0	0.00
7.3	10	10.35	7.1	5	5.37	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
12.2	19	11.73	13.6	16	7.75	GREEN BAY	0.1	0	0.00	0.1	0	0.00
17.5	18	7.73	20.9	13	4.68	GREENSBORO	4.0	5	9.35	4.5	2	3.36
15.2	9	4.46	18.2	18	7.47	GREENVILLE	2.8	1	2.69	3.6	2	4.40
17.8	20	8.48	19.9	16	6.07	HAMILTON	0.9	1	8.53	0.9	1	8.00
35.6	40	8.46	42.6	47	8.32	HARRISBURG	2.0	1	3.73	2.2	1	3.41
73.0	107	10.53	82.6	72	6.59	HARTFORD	2.6	4	12.76	2.5	4	12.19
13.1	9	5.19	11.8	10	6.37	HONOLULU	28.0	30	8.07	23.6	11	3.55
97.7	122	10.48	97.3	67	5.19	HOUSTON	19.8	17	6.49	[illegible]	17	6.03
26.8	32	9.00	30.1	30	7.52	HUNTINGTON	1.0	2	15.69	1.0	1	7.27
7.6	0	0.00	8.1	7	6.50	HUNTSVILLE	1.8	1	4.24	2.1	0	0.00
61.2	64	7.89	74.1	65	4.58	INDIANAPOLIS	9.5	13	10.30	10.5	6	4.31
13.7	16	7.73	14.7	10	5.11	JACKSON MICH	0.9	1	8.83	0.4	[illegible]	17.11
9.8	6	6.61	12.2	12	7.39	JACKSON MISS	6.0	7	8.75	7.0	2	2.14
31.0	35	8.51	35.6	32	6.81	JACKSONVILLE	9.1	9	7.47	10.6	5	3.55
71.5	63	6.64	81.1	52	6.83	JERSEY CITY	3.1	2	4.89	3.5	2	4.34
32.7	36	8.30	34.2	21	4.67	JOHNSTOWN	0.4	0	0.00	0.4	1	21.31
16.3	20	9.24	18.8	20	8.01	KALAMAZOO	0.5	2	31.40	0.5	0	0.00
97.6	117	9.03	116.7	92	5.96	KANSAS CITY	12.2	12	7.40	13.2	9	5.12
11.2	8	5.41	11.5	11	7.22	KENOSHA	0.1	0	0.00	0.1	0	0.00
32.9	34	7.78	38.6	34	6.67	KNOXVILLE	2.7	4	11.16	3.2	2	4.88
9.0	16	11.79	9.6	5	4.00	LAKE CHARLES	2.3	5	16.18	2.4	1	3.15
29.8	35	8.86	35.7	28	5.91	LANCASTER	0.4	1	21.25	0.3	0	0.00
28.3	42	11.17	31.6	32	7.63	LANSING	0.6	2	24.03	0.6	0	0.00
5.3	8	11.30	6.6	6	7.12	LAREDO	0.0	0	0.00	0.0	0	0.00
11.5	13	8.55	9.9	3	2.28	LAS VEGAS	0.8	1	8.91	0.7	2	20.22
6.3	6	6.78	6.1	6	6.96	LAWTON	0.7	2	21.51	0.7	1	11.60
11.1	13	8.82	13.1	9	5.20	LEXINGTON	2.3	1	3.24	2.6	3	8.86
10.6	11	7.80	12.0	9	5.65	LIMA	0.6	2	24.61	0.5	0	0.00
15.9	16	7.58	19.3	18	7.02	LINCOLN	0.3	0	0.00	0.2	1	34.08
19.8	23	8.77	22.6	22	7.34	LITTLE ROCK	5.3	5	7.07	6.1	8	9.87
19.9	15	5.68	20.8	16	5.07	LORAIN	1.0	1	7.40	1.0	1	7.81
690.9	819	9.49	786.4	636	6.10	LOS ANGELES	48.6	58	9.00	51.2	32	4.71

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUES (I.S.C. 200-203,205)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
63.0	62	7.42	76.2	76	7.52	LOUISVILLE	8.7	6	5.23	9.8	12	9.25
11.6	18	11.65	12.7	5	2.97	LUBBOCK	0.9	2	17.20	0.8	0	0.00
8.9	13	11.03	11.1	9	6.14	LYNCHBURG	2.2	1	3.37	2.6	1	2.95
10.5	12	8.61	12.8	6	3.55	MACON	4.3	3	5.24	5.8	5	6.48
21.4	31	10.92	24.5	23	7.09	MADISON	0.2	1	39.50	0.2	0	0.00
20.2	31	11.59	24.7	29	8.84	MANCHESTER	0.0	0	0.00	0.0	0	0.00
36.5	51	10.54	45.1	37	6.19	MEMPHIS	20.9	21	7.56	23.7	13	4.14
102.8	110	8.07	110.8	81	5.51	MIAMI	9.7	17	13.17	10.1	6	4.49
4.3	5	8.84	4.5	3	5.05	MIDLAND	0.4	0	0.00	0.4	1	17.15
125.3	135	8.12	140.0	113	6.08	MILWAUKEE	4.3	4	7.00	4.2	1	1.80
150.2	211	10.59	177.2	169	7.15	MINNEAPOLIS	2.5	2	6.09	2.4	2	6.34
18.7	23	9.27	21.1	12	4.30	MOBILE	7.7	11	10.78	9.2	6	4.90
6.6	6	6.81	7.5	8	8.08	MONROE	3.0	6	15.10	3.5	3	6.44
9.2	11	9.04	11.3	8	5.33	MONTGOMERY	5.3	9	12.73	7.1	1	1.06
10.7	14	9.87	12.1	9	5.59	MUNCIE	0.6	0	0.00	0.6	0	0.00
13.6	12	6.57	14.7	6	3.09	MUSKEGON	0.9	1	7.97	0.9	1	8.58
30.9	31	7.55	39.5	31	6.07	NASHVILLE	7.4	2	2.05	8.8	6	5.13
172.9	223	9.72	202.2	188	7.01	NEWARK	18.1	28	11.64	21.0	11	3.94
72.1	91	9.51	82.2	81	7.43	NEW HAVEN	2.6	7	20.46	2.8	1	2.70
59.7	74	9.35	73.1	63	6.43	NEW ORLEANS	22.4	21	7.07	27.0	27	7.94
13.6	14	7.75	13.4	10	5.61	NEWPORT NEWS	5.4	7	9.70	5.3	5	7.14
1153.7	1531	10.00	1326.9	1248	7.09	NEW YORK	106.6	137	9.69	128.3	96	5.64
35.2	34	7.29	37.9	29	5.76	NORFOLK	12.7	17	10.13	13.9	7	3.79
6.1	5	6.14	5.9	1	1.29	ODESSA	0.3	0	0.00	0.3	0	0.00
9.9	9	6.82	10.5	5	3.58	OGDEN	0.3	0	0.00	0.2	0	0.00
46.6	63	10.18	54.1	45	6.26	OKLAHOMA CITY	3.9	7	13.37	4.4	2	3.44
45.3	54	9.99	51.3	40	5.98	OMAHA	2.5	4	12.21	2.6	4	11.57
28.8	27	7.04	32.2	23	5.38	ORLANDO	4.5	2	3.36	4.4	4	6.78
127.6	162	9.57	145.4	136	7.05	PATERSON	3.3	4	9.07	4.0	7	13.31
13.5	15	8.39	14.6	10	5.23	PENSACOLA	2.8	1	2.72	3.4	2	4.50
30.4	37	9.18	34.3	22	4.84	PEORIA	0.8	1	9.51	0.9	2	17.43
411.5	454	8.32	421.3	349	5.47	PHILADELPHIA	60.2	59	7.39	67.4	49	5.48
61.8	66	8.05	63.8	51	6.03	PHOENIX	3.2	3	6.97	2.8	1	2.73
257.4	279	8.17	281.5	206	5.52	PITTSBURGH	17.4	20	8.65	16.9	12	5.35
16.3	21	9.69	19.8	18	6.86	PITTSFIELD	0.2	1	47.27	0.2	0	0.00
20.7	35	12.72	25.6	17	5.00	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
97.7	141	10.87	100.5	117	8.06	PORTLAND OREG.	2.4	3	9.43	2.0	0	0.00
82.4	102	9.33	99.9	73	5.51	PROVIDENCE	1.3	3	17.23	1.3	2	11.25
8.7	5	4.33	9.3	2	1.63	PROVO	0.0	0	0.00	0.0	0	0.00
12.6	17	10.14	13.3	7	3.95	PUEBLO	0.3	0	0.00	0.3	1	23.66
14.9	14	7.09	16.2	14	6.51	RACINE	0.3	0	0.00	0.3	1	25.21
11.4	9	5.95	13.4	9	5.08	RALEIGH	3.6	1	2.11	4.2	3	5.39
34.0	41	9.10	38.4	26	5.10	READING	0.4	1	17.52	0.4	0	0.00
9.2	13	10.68	8.7	10	8.68	RENO	0.3	1	23.45	0.2	0	0.00
30.3	19	4.73	39.2	31	5.97	RICHMOND	9.7	11	8.58	11.3	8	5.32
14.9	25	12.63	17.7	22	9.38	ROANOKE	2.1	2	7.28	2.3	1	3.25
65.7	79	9.06	78.0	59	5.70	ROCHESTER	1.6	1	4.61	1.7	1	4.46
21.1	21	7.50	23.2	12	3.90	ROCKFORD	0.6	0	0.00	0.6	0	0.00
46.3	61	9.92	46.7	42	6.78	SACRAMENTO	3.5	3	6.38	2.6	1	2.89
17.5	24	10.31	19.2	9	3.54	SAGINAW	1.3	1	5.72	1.2	2	12.36
11.8	16	10.25	14.5	8	4.17	ST. JOSEPH	0.4	1	21.16	0.4	1	17.79
192.8	231	9.03	231.8	166	5.40	ST. LOUIS	27.4	30	8.26	31.3	20	4.82
34.0	46	10.19	39.0	34	6.74	SALT LAKE CITY	0.6	0	0.00	0.4	0	0.00
6.5	5	5.80	7.3	7	7.19	SAN ANGELO	0.3	1	22.72	0.4	0	0.00
56.2	68	9.12	65.6	53	6.09	SAN ANTONIO	4.2	9	16.31	4.9	4	6.13
86.2	86	7.52	91.9	56	4.43	SAN BERNARDINO	3.3	4	9.02	2.9	1	2.61
93.6	113	9.10	102.7	79	5.80	SAN DIEGO	3.9	8	15.28	3.5	2	4.35
278.4	346	9.37	317.3	294	6.98	SAN FRANCISCO	30.2	29	7.23	25.8	24	7.02
55.8	88	11.88	63.9	52	6.14	SAN JOSE	1.9	2	7.82	1.5	2	9.90
17.0	20	8.95	19.8	12	4.57	SANTA BARBARA	0.7	0	0.00	0.5	1	16.72
10.8	17	11.92	13.2	10	5.71	SAVANNAH	5.5	6	5.52	6.8	2	2.22
28.9	26	6.77	35.3	31	6.62	SCRANTON	0.1	0	0.00	0.1	0	0.00
117.9	166	10.61	129.2	119	6.96	SEATTLE	5.4	4	5.54	4.0	2	3.79
17.2	20	8.77	20.0	12	4.52	SHREVEPORT	8.8	11	9.47	10.5	6	4.29
12.8	10	5.91	14.3	7	3.70	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
8.9	14	11.79	10.0	8	6.01	SIOUX FALLS	0.1	0	0.00	0.0	0	0.00
24.0	26	8.16	26.4	24	6.94	SOUTH BEND	1.2	3	19.17	1.2	0	0.00
32.0	34	8.01	34.3	21	4.61	SPOKANE	0.5	3	42.61	0.4	1	17.59
16.5	24	10.96	20.2	15	5.60	SPRINGFIELD I.	0.7	1	11.38	0.8	1	9.78
14.4	25	13.06	17.4	12	5.19	SPRINGFIELD MO	0.3	0	0.00	0.3	0	0.00
13.1	17	9.82	15.2	14	6.94	SPRINGFIELD O.	1.3	2	12.02	1.5	0	0.00
58.2	80	10.36	70.3	51	5.47	SPRINGFIELD MA	1.1	0	0.00	1.2	0	0.00
18.1	20	8.33	18.0	7	2.93	STEUBENVILLE	0.8	2	19.69	0.7	1	10.30
27.4	33	9.08	26.1	17	4.91	STOCKTON	3.6	3	6.32	1.7	2	8.74
60.6	71	8.83	68.5	58	6.39	SYRACUSE	1.0	2	14.41	1.0	0	0.00
34.4	43	9.42	36.0	31	6.48	TACOMA	1.1	2	14.12	0.8	2	18.42
110.0	134	9.32	121.2	89	5.53	TAMPA	7.7	10	9.73	8.3	2	1.82
12.8	12	7.06	15.0	22	11.06	TERRE HAUTE	0.6	0	0.00	0.6	0	0.00
8.3	12	10.85	9.2	6	4.90	TEXARKANA	2.5	2	6.03	2.8	1	2.73
47.8	70	11.03	54.4	33	4.57	TOLEDO	3.8	2	4.02	3.9	1	1.92
13.8	22	11.99	16.6	13	5.89	TOPEKA	1.1	1	7.03	1.2	2	12.76
27.2	28	7.76	30.8	19	4.64	TRENTON	2.8	2	5.47	2.7	0	0.00
24.6	28	8.58	26.8	12	3.38	TUCSON	1.5	2	9.89	1.4	0	0.00
38.9	47	9.10	45.0	32	5.36	TULSA	3.8	0	0.00	4.3	1	1.77
8.1	7	6.53	8.8	5	4.29	TUSCALOOSA	2.6	3	8.83	3.0	0	0.00
7.0	9	9.68	8.0	1	0.94	TYLER	2.3	0	0.00	2.5	0	0.00
38.9	47	9.11	43.8	36	6.19	UTICA	0.4	0	0.00	0.3	0	0.00
14.1	11	5.90	15.9	14	6.64	WACO	2.5	2	6.07	2.8	0	0.00
136.8	169	9.31	169.3	139	6.19	WASHINGTON	40.9	55	10.13	45.7	33	5.44
12.0	15	9.43	13.7	13	7.17	WATERLOO	0.4	0	0.00	0.4	0	0.00
25.9	32	9.31	28.5	20	5.30	W. PALM BEACH	4.7	6	9.60	3.9	0	0.00
23.6	29	9.25	26.2	18	5.18	WHEELING	0.6	0	0.00	0.6	0	0.00
28.8	35	9.17	33.6	28	6.29	WICHITA	1.6	2	9.36	1.7	0	0.00
11.8	12	7.70	12.9	8	4.66	WICHITA FALLS	0.8	2	18.62	0.9	1	8.85
42.9	35	6.15	51.4	33	4.84	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
32.4	38	9.85	36.6	21	4.32	WILMINGTON	4.3	5	8.83	4.2	2	3.62
12.7	14	8.33	15.2	16	7.94	WINSTON-SALEM	3.9	6	11.62	4.8	3	4.69
69.2	88	9.58	82.0	70	6.43	WORCESTER	0.4	0	0.00	0.4	0	0.00
26.4	25	7.14	29.7	24	6.09	YORK	0.4	3	50.84	0.5	1	16.23
51.4	65	9.54	56.1	40	5.57	YOUNGSTOWN	4.4	8	13.80	4.1	1	1.84
10882.2	13367	9.26	12463.0	10207	6.17	TOTAL 201 SMSA	1120.8	1289	8.64	1218.0	829	5.13

ALL AGE STANDARD RATE = 7.54

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

ASTHMA (I.S.C. 241)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
3.8	8	5.62	4.4	3	1.83	ABILENE	0.2	2	32.33	0.2	0	0.00
18.1	26	3.86	19.9	12	1.62	AKRON	1.2	0	0.00	1.2	1	2.28
1.2	1	2.28	1.3	0	0.00	ALBANY GA	0.7	1	4.06	0.9	3	8.54
27.4	33	3.23	33.0	19	1.55	ALBANY NY	0.5	0	0.00	0.5	0	0.00
6.8	12	4.73	7.4	6	2.18	ALBUQUERQUE	0.2	0	0.00	0.2	0	0.00
20.5	18	2.36	23.5	9	1.03	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
6.1	8	3.52	7.2	1	0.37	ALTOONA	0.0	0	0.00	0.1	0	0.00
4.2	8	5.16	4.6	2	1.17	AMARILLO	0.2	0	0.00	0.2	0	0.00
5.0	10	5.40	5.9	4	1.86	ANN ARBOR	0.4	0	0.00	0.4	0	0.00
4.7	15	8.65	5.5	3	1.47	ASHEVILLE	0.6	0	0.00	0.7	1	4.14
24.5	35	3.85	30.7	15	1.31	ATLANTA	6.3	17	7.26	8.1	10	3.30
6.7	7	2.80	8.1	5	1.66	ATLANTIC CITY	1.2	1	2.26	1.4	1	1.98
4.4	3	1.85	5.1	3	1.60	AUGUSTA	1.8	2	2.95	2.4	5	5.69
6.0	5	2.24	7.1	3	1.14	AUSTIN	0.9	2	5.99	1.1	1	2.35
9.2	9	2.63	9.1	10	2.96	BAKERSFIELD	0.8	0	0.00	0.5	0	0.00
49.3	69	3.76	58.8	30	1.37	BALTIMORE	11.0	33	8.07	11.6	29	6.74
4.2	4	2.55	4.9	0	0.00	BATON ROUGE	2.0	6	7.91	2.4	8	8.89
3.8	11	7.89	4.2	2	1.29	BAY CITY	0.0	0	0.00	0.0	0	0.00
7.9	12	4.10	8.5	4	1.27	BEAUMONT	1.9	4	5.67	2.0	3	4.13
2.7	8	7.97	2.8	3	2.87	BILLINGS	0.0	0	0.00	0.0	0	0.00
8.5	11	3.49	9.9	3	0.82	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
14.5	12	2.22	17.6	8	1.22	BIRMINGHAM	7.1	15	5.66	8.5	8	2.54
123.2	165	3.60	157.0	104	1.78	BOSTON	2.9	6	5.64	3.1	4	3.50
25.0	18	1.93	29.1	15	1.39	BRIDGEPORT	0.9	2	6.09	1.0	1	2.69
10.1	15	3.99	12.1	4	0.89	BROCKTON	0.2	0	0.00	0.2	0	0.00
4.1	6	3.93	4.4	9	5.44	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
48.4	55	3.06	54.9	36	1.76	BUFFALO	2.4	8	9.05	2.3	3	3.53
12.9	26	5.41	14.3	7	1.32	CANTON	0.6	1	4.86	0.5	1	4.95
5.2	12	6.22	4.1	2	0.88	CEDAR RAPIDS	0.0	1	63.01	0.1	0	0.00
3.6	7	5.40	4.2	5	3.17	CHAMPAIGN	0.2	0	0.00	0.2	0	0.00
3.7	3	2.20	4.3	1	0.63	CHARLESTON SC	1.8	3	4.59	2.3	1	1.16
8.0	12	4.03	8.8	1	0.30	CHARLESTON WVA	0.6	2	9.03	0.6	0	0.00
6.1	6	2.64	7.7	1	0.35	CHARLOTTE	1.7	3	4.77	2.0	0	0.00
8.1	6	2.00	9.7	7	1.96	CHATTANOOGA	1.7	6	9.77	2.0	5	6.64
214.4	207	2.60	241.9	119	1.32	CHICAGO	26.0	29	3.00	28.1	32	3.06
36.4	37	2.74	45.8	16	0.94	CINCINNATI	4.3	10	6.21	4.7	7	3.98
61.3	61	2.67	70.5	29	1.11	CLEVELAND	7.6	11	3.90	8.1	20	6.62
4.4	12	7.32	5.4	4	2.00	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
5.5	5	2.44	6.5	1	0.42	COLUMBIA	2.0	3	4.09	2.3	2	2.32
3.9	6	4.12	4.6	3	1.74	COLUMBUS GA	1.6	3	5.14	2.1	4	5.09
20.4	22	2.90	24.8	16	1.73	COLUMBUS OHIO	2.7	2	2.01	2.8	3	2.89
5.8	5	2.33	6.1	2	0.88	CORPUS CHRISTI	0.3	0	0.00	0.3	1	8.27
30.8	21	1.84	37.4	13	0.94	DALLAS	4.6	9	5.22	5.0	4	2.15
10.8	12	3.00	12.1	4	0.89	DAVENPORT	0.2	0	0.00	0.2	0	0.00
21.4	27	3.40	24.5	12	1.31	DAYTON	2.1	2	2.59	2.1	4	5.04
4.4	11	6.67	5.4	6	3.01	DECATUR	0.2	0	0.00	0.2	0	0.00
31.0	49	4.25	36.7	44	3.22	DENVER	1.2	3	7.00	1.2	4	8.84
9.7	29	8.07	11.9	10	2.26	DES MOINES	0.4	2	14.09	0.4	0	0.00
119.1	184	4.15	124.8	85	1.83	DETROIT	16.3	39	6.44	16.7	26	4.17
2.9	6	5.48	3.8	3	2.15	DUBUQUE	0.0	0	0.00	0.0	0	0.00
12.6	21	4.48	12.6	11	2.36	DULUTH	0.1	0	0.00	0.1	0	0.00
2.5	1	1.09	3.1	0	0.00	DURHAM	1.0	2	5.19	1.3	1	2.13
7.5	13	4.66	8.5	8	2.52	EL PASO	0.2	1	11.56	0.2	0	0.00
9.5	14	3.96	10.8	3	0.75	ERIE	0.2	1	15.19	0.2	0	0.00
5.9	13	5.88	6.1	9	3.96	EUGENE	0.0	0	0.00	0.0	0	0.00
7.4	11	4.02	9.0	7	2.10	EVANSVILLE	0.5	1	4.90	0.6	2	8.95
16.7	32	5.16	21.1	18	2.29	FALL RIVER	0.2	0	0.00	0.2	0	0.00
3.9	4	2.75	4.1	5	3.30	FARGO	0.0	0	0.00	0.0	0	0.00
11.3	26	6.19	12.0	7	1.57	FLINT	0.8	2	6.63	0.8	1	3.33
14.4	19	3.55	15.1	16	2.86	FT. LAUDERDALE	1.2	6	13.57	1.2	5	11.19
2.5	2	2.11	3.1	1	0.87	FORT SMITH	0.2	0	0.00	0.2	0	0.00
8.0	18	6.05	9.5	3	0.85	FORT WAYNE	0.3	0	0.00	0.3	0	0.00
17.2	26	4.07	20.1	9	1.21	FORT WORTH	1.9	7	9.76	2.1	5	6.33
12.3	18	3.92	12.0	4	0.84	FRESNO	1.1	1	2.40	0.8	2	6.60
2.9	4	3.73	3.3	4	3.26	GADSDEN	0.4	0	0.00	0.5	0	0.00
3.8	2	1.41	4.0	2	1.34	GALVESTON	1.0	2	5.58	1.0	0	0.00
17.0	16	2.53	16.4	14	2.30	GARY	2.4	5	5.69	2.3	2	2.31
13.1	23	4.73	15.3	9	1.58	GRAND RAPIDS	0.4	0	0.00	0.4	0	0.00
2.6	2	2.08	2.5	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
4.3	10	6.19	4.9	2	1.10	GREEN BAY	0.0	1	63.22	0.0	0	0.00
6.1	10	4.40	7.4	9	3.28	GREENSBORO	1.4	3	5.83	1.5	1	1.74
5.3	15	7.64	6.4	6	2.52	GREENVILLE	1.0	3	8.30	1.2	2	4.49
6.3	8	3.44	7.1	1	0.38	HAMILTON	0.3	1	8.65	0.3	3	24.60
12.7	13	2.75	15.5	7	1.22	HARRISBURG	0.7	0	0.00	0.8	1	3.46
26.0	31	3.21	29.7	13	1.18	HARTFORD	0.8	3	10.09	0.8	1	3.18
4.2	7	4.44	4.0	5	3.32	HONOLULU	9.7	20	5.55	8.0	13	4.38
30.4	28	2.48	34.1	13	1.02	HOUSTON	6.8	16	6.30	7.4	9	3.29
9.6	16	4.48	10.8	9	2.23	HUNTINGTON	0.3	1	7.69	0.4	0	0.00
2.6	4	4.16	2.8	1	0.95	HUNTSVILLE	0.6	0	0.00	0.7	1	3.68
21.7	31	3.84	26.7	21	2.11	INDIANAPOLIS	3.4	11	8.77	3.7	12	8.70
4.9	14	7.73	5.4	5	2.51	JACKSON MICH	0.3	1	9.44	0.2	1	17.40
3.4	3	2.37	4.3	2	1.24	JACKSON MISS	2.1	6	7.57	2.5	2	2.16
10.8	12	3.00	12.5	9	1.93	JACKSONVILLE	3.2	5	4.22	3.7	11	7.93
25.5	31	3.27	29.2	20	1.84	JERSEY CITY	1.1	4	10.22	1.2	3	6.80
11.8	23	5.24	12.4	8	1.7[illegible]	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
5.8	8	3.72	6.8	2	0.79	KALAMAZOO	0.2	0	0.00	0.2	0	0.00
34.8	42	3.25	42.2	23	1.46	KANSAS CITY	4.4	6	3.68	4.7	6	3.41
4.0	5	3.39	4.1	1	0.65	KENOSHA	0.0	0	0.00	0.0	0	0.00
11.6	14	3.25	13.7	11	2.17	KNOXVILLE	1.0	1	2.80	1.1	1	2.34
3.1	6	5.26	3.3	8	6.59	LAKE CHARLES	0.8	4	13.25	0.8	1	3.23
10.7	8	2.01	13.0	6	1.24	LANCASTER	0.1	0	0.00	0.1	1	21.98
10.0	14	3.76	11.3	14	3.32	LANSING	0.2	0	0.00	0.2	0	0.00
1.9	3	4.30	2.2	2	2.39	LAREDO	0.0	0	0.00	0.0	0	0.00
4.0	18	12.24	3.4	10	7.87	LAS VEGAS	0.3	0	0.00	0.2	1	10.86
2.1	2	2.57	2.1	3	3.78	LAWTON	0.2	0	0.00	0.2	0	0.00
3.9	6	4.12	4.7	2	1.15	LEXINGTON	0.8	1	3.21	0.9	1	2.92
3.8	8	5.63	4.4	1	0.62	LIMA	0.2	1	12.68	0.2	2	29.09
5.7	14	6.65	7.0	6	2.29	LINCOLN	0.1	0	0.00	0.1	1	35.18
7.0	11	4.23	8.1	0	0.00	LITTLE ROCK	1.9	2	2.79	2.2	4	4.89
7.0	8	3.06	7.4	3	1.09	LORAIN	0.4	0	0.00	0.3	0	0.00
230.6	308	3.59	284.6	182	1.72	LOS ANGELES	16.7	26	4.18	17.6	22	3.35

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

ASTHMA (I.S.C. 241)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
22.3	25	3.02	27.4	17	1.67	LOUISVILLE	3.1	1	0.87	3.5	4	3.07
4.0	4	2.69	4.4	6	3.64	LUBBOCK	0.3	0	0.00	0.3	0	0.00
3.2	4	3.41	4.0	2	1.35	LYNCHBURG	0.8	1	3.39	0.9	0	0.00
3.6	7	5.19	4.5	1	0.60	MACON	1.5	0	0.00	2.1	2	2.61
7.5	7	2.49	8.8	4	1.22	MADISON	0.1	0	0.00	0.1	0	0.00
7.2	11	4.09	9.0	9	2.68	MANCHESTER	0.0	1	237.57	0.0	0	0.00
12.7	14	2.96	16.1	13	2.17	MEMPHIS	7.5	22	7.92	8.4	10	3.19
36.9	44	3.21	39.8	40	2.70	MIAMI	3.3	9	7.38	3.4	17	13.46
1.4	1	1.88	1.5	1	1.77	MIDLAND	0.1	1	18.12	0.1	0	0.00
44.5	39	2.36	50.3	34	1.82	MILWAUKEE	1.5	2	3.68	1.4	1	1.92
53.5	68	3.42	63.9	45	1.89	MINNEAPOLIS	0.9	0	0.00	0.8	1	3.22
6.5	6	2.59	7.4	4	1.45	MOBILE	2.7	6	6.02	3.2	6	4.98
2.3	2	2.30	2.6	0	0.00	MONROE	1.1	2	4.97	1.3	1	2.14
3.2	5	4.23	4.0	2	1.33	MONTGOMERY	1.9	0	0.00	2.5	2	2.11
3.8	5	3.54	4.4	3	1.85	MUNCIE	0.2	2	26.37	0.2	0	0.00
4.9	7	3.86	5.2	3	1.56	MUSKEGON	0.3	0	0.00	0.3	1	9.00
10.9	27	6.69	13.8	14	2.72	NASHVILLE	2.6	7	7.22	3.1	12	10.30
61.6	50	2.19	73.1	42	1.54	NEWARK	6.2	13	5.61	7.3	6	2.23
25.8	17	1.77	29.8	11	0.99	NEW HAVEN	0.9	0	0.00	1.0	1	2.81
20.9	26	3.34	26.7	13	1.33	NEW ORLEANS	7.8	24	8.24	9.5	10	2.82
4.6	2	1.16	4.7	2	1.15	NEWPORT NEWS	1.9	8	11.41	1.8	3	4.42
411.2	370	2.42	477.2	267	1.50	NEW YORK	36.7	90	6.50	44.2	92	5.60
11.9	14	3.17	13.3	9	1.82	NORFOLK	4.4	10	6.11	4.9	6	3.31
2.0	3	3.94	2.0	1	1.37	ODESSA	0.1	0	0.00	0.1	1	27.00
3.5	4	3.07	3.7	1	0.72	OGDEN	0.1	0	0.00	0.1	0	0.00
16.4	25	4.09	19.4	10	1.39	OKLAHOMA CITY	1.4	1	1.93	1.5	0	0.00
16.1	42	7.01	18.5	11	1.60	OMAHA	0.9	2	6.17	0.9	1	2.90
10.3	12	3.13	11.6	9	2.08	ORLANDO	1.6	5	8.65	1.5	7	12.17
45.3	34	2.02	52.2	23	1.18	PATERSON	1.1	2	4.74	1.4	3	5.96
4.6	4	2.32	5.0	4	2.14	PENSACOLA	1.0	0	0.00	1.2	1	2.30
10.8	30	7.45	12.4	11	2.39	PEORIA	0.3	0	0.00	0.3	0	0.00
146.2	148	2.72	173.9	93	1.44	PHILADELPHIA	21.0	34	4.36	23.5	30	3.43
21.7	145	17.93	22.5	45	5.37	PHOENIX	1.1	6	14.12	1.0	8	22.54
92.0	105	3.07	101.2	58	1.54	PITTSBURGH	6.2	12	5.23	5.9	7	3.17
5.9	7	3.20	7.3	3	1.11	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
7.5	7	2.52	9.4	5	1.43	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
35.3	56	4.26	39.9	27	1.82	PORTLAND OREG.	0.8	3	9.54	0.7	1	4.00
29.6	49	4.44	34.6	22	1.63	PROVIDENCE	0.5	2	11.58	0.5	1	5.69
3.0	4	3.56	3.2	3	2.48	PROVO	0.0	0	0.00	0.0	0	0.00
4.5	8	4.73	4.8	3	1.67	PUEBLO	0.1	0	0.00	0.1	1	23.09
5.3	2	1.01	5.9	2	0.92	RACINE	0.1	1	- - -	0.1	0	0.00
3.9	2	1.37	4.7	1	0.57	RALEIGH	1.2	4	8.64	1.5	3	5.48
12.2	8	1.76	13.9	5	0.96	READING	0.2	0	0.00	0.2	0	0.00
3.2	2	1.68	3.1	3	2.62	RENO	0.1	0	0.00	0.1	0	0.00
10.7	11	2.77	14.1	17	3.24	RICHMOND	3.4	11	8.74	4.0	11	7.43
5.3	13	6.60	6.4	5	2.11	ROANOKE	0.7	2	7.34	0.8	2	6.54
23.6	20	2.29	28.4	11	1.06	ROCHESTER	0.6	2	9.74	0.4	0	0.00
7.5	7	2.51	8.3	4	1.29	ROCKFORD	0.2	0	0.00	0.2	0	0.00
16.3	24	3.96	16.6	15	2.46	SACRAMENTO	1.2	3	6.52	0.9	0	0.00
6.2	8	3.49	6.9	9	3.51	SAGINAW	0.4	0	0.00	0.4	1	6.52
4.3	8	4.99	5.4	5	2.51	ST. JOSEPH	0.1	0	0.00	0.2	0	0.00
68.7	88	3.44	83.9	52	1.67	ST. LOUIS	9.7	19	5.26	11.1	13	3.16
12.0	19	4.26	13.6	7	1.30	SALT LAKE CITY	0.2	1	12.46	0.1	1	18.19
2.3	5	5.82	2.6	3	3.06	SAN ANGELO	0.1	1	22.78	0.1	0	0.00
19.6	23	3.16	23.4	16	1.84	SAN ANTONIO	1.4	5	9.32	1.7	5	7.72
30.8	69	6.02	33.2	32	2.59	SAN BERNARDINO	1.2	2	4.67	1.0	5	13.40
32.5	51	4.22	36.9	28	2.05	SAN DIEGO	1.3	4	8.29	1.2	2	4.60
98.9	97	2.64	114.7	79	1.85	SAN FRANCISCO	10.4	16	4.14	8.8	17	5.22
19.6	18	2.48	22.8	13	1.54	SAN JOSE	0.7	0	0.00	0.5	1	5.18
6.0	6	2.68	7.2	6	2.25	SANTA BARBARA	0.2	0	0.00	0.2	0	0.00
3.7	6	4.39	4.7	3	1.72	SAVANNAH	1.9	1	1.41	2.4	2	2.25
10.4	20	5.17	12.8	9	1.89	SCRANTON	0.0	0	0.00	0.0	0	0.00
42.2	66	4.20	46.7	33	1.90	SEATTLE	1.9	2	2.80	1.4	1	1.97
6.0	12	5.36	7.1	5	1.89	SHREVEPORT	3.1	7	5.90	3.8	4	2.84
4.6	9	5.23	5.2	9	4.66	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
3.2	5	4.20	3.6	2	1.49	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
8.5	8	2.53	9.5	8	2.27	SOUTH BEND	0.4	3	10.56	0.4	3	19.67
11.6	24	5.57	12.5	11	2.37	SPOKANE	0.2	0	0.00	0.1	0	0.00
6.0	9	4.06	7.4	4	1.46	SPRINGFIELD I.	0.2	0	0.00	0.3	0	0.00
5.2	10	5.19	6.4	2	0.84	SPRINGFIELD MO	0.1	1	23.40	0.1	0	0.00
4.7	1	0.57	5.5	3	1.46	SPRINGFIELD O.	0.4	1	5.99	0.5	1	5.09
20.8	36	4.65	25.6	10	1.05	SPRINGFIELD MA	0.4	0	0.00	0.4	1	6.40
6.5	14	5.82	6.4	2	0.84	STEUBENVILLE	0.3	1	9.96	0.3	1	10.46
9.8	12	3.28	9.4	3	0.86	STOCKTON	1.3	4	8.41	0.6	1	4.49
21.7	26	3.23	24.8	12	1.30	SYRACUSE	0.4	0	0.00	0.3	0	0.00
12.3	20	4.39	13.1	4	0.82	TACOMA	0.3	0	0.00	0.3	1	9.92
40.7	47	3.11	44.7	15	0.90	TAMPA	2.7	9	8.95	2.9	7	6.51
4.6	6	3.47	5.5	2	0.98	TERRE HAUTE	0.2	0	0.00	0.2	0	0.00
3.0	5	4.49	3.3	1	0.80	TEXARKANA	0.9	1	2.96	1.0	0	0.00
17.1	18	2.83	19.8	13	1.77	TOLEDO	1.3	4	8.19	1.4	4	7.87
4.9	1	0.54	6.1	4	1.77	TOPEKA	0.4	3	21.01	0.4	2	12.72
9.7	16	4.46	11.1	3	0.73	TRENTON	0.9	2	5.71	0.9	3	8.61
8.6	61	18.99	9.5	23	6.53	TUCSON	0.5	0	0.00	0.5	1	5.63
13.8	23	4.48	16.1	12	2.00	TULSA	1.3	0	0.00	1.5	5	8.84
2.8	4	3.79	3.1	1	0.86	TUSCALOOSA	0.9	0	0.00	1.1	2	5.05
2.5	2	2.19	2.9	2	1.87	TYLER	0.8	1	3.30	0.9	3	9.02
14.0	12	2.30	16.0	6	1.01	UTICA	0.1	1	19.78	0.1	0	0.00
5.0	5	2.69	5.8	4	1.87	WACO	0.9	0	0.00	1.0	1	2.63
67.4	36	2.06	60.3	35	1.56	WASHINGTON	14.1	25	4.77	15.9	25	4.23
4.3	9	5.65	4.9	4	2.18	WATERLOO	0.1	0	0.00	0.1	1	21.96
9.5	14	3.98	10.4	6	1.55	W. PALM BEACH	1.6	7	11.60	1.3	3	6.07
8.6	9	2.82	9.6	5	1.40	WHEELING	0.2	0	0.00	0.2	0	0.00
10.1	26	6.94	12.0	7	1.57	WICHITA	0.6	0	0.00	0.6	2	9.35
6.1	6	2.62	4.6	0	0.00	WICHITA FALLS	0.3	1	9.61	0.3	0	0.00
15.3	23	4.04	18.6	14	2.03	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
11.4	12	2.82	13.1	6	1.23	WILMINGTON	1.5	0	0.00	1.5	0	0.00
4.4	5	3.07	5.3	6	3.02	WINSTON-SALEM	1.4	3	5.96	1.7	1	1.59
24.9	30	3.23	30.0	15	1.36	WORCESTER	0.1	0	0.00	0.1	0	0.00
9.5	9	2.56	10.7	2	0.50	YORK	0.2	2	34.67	0.2	1	16.63
18.4	27	3.95	19.4	7	0.97	YOUNGSTOWN	1.5	4	7.06	1.4	4	7.60
3862.3	4947	3.44	4485.9	2736	1.64	TOTAL 201 SMSA	390.0	792	5.46	424.1	687	4.36

ALL AGE STANDARD RATE = 2.69

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

DIABETES MELLITUS (I.S.C. 260)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
22.3	23	16.77	27.2	11	6.56	ABILENE	0.9	0	0.00	1.0	2	33.67
105.9	134	20.84	121.0	179	24.01	AKRON	6.0	6	16.18	6.2	14	36.76
5.8	2	5.63	7.2	3	6.80	ALBANY GA	13.8	3	12.96	5.7	6	17.17
169.0	179	17.19	214.2	242	19.09	ALBANY NY	2.7	8	48.64	2.8	8	45.80
35.6	30	13.67	40.3	23	9.25	ALBUQUERQUE	0.9	2	34.73	0.9	1	18.78
124.8	118	15.35	140.3	212	23.05	ALLENTOWN	0.8	1	20.84	0.7	2	43.98
38.8	65	27.18	47.5	97	33.13	ALTOONA	0.3	0	0.00	0.3	0	0.00
22.3	9	6.56	26.5	18	11.04	AMARILLO	1.0	0	0.00	1.0	2	31.56
28.2	34	19.57	36.1	45	20.25	ANN ARBOR	1.9	1	9.48	1.9	6	50.37
28.5	13	7.30	34.9	18	8.37	ASHEVILLE	3.3	4	19.40	3.9	5	20.56
133.7	97	11.77	186.1	110	9.70	ATLANTA	34.0	39	18.61	45.9	100	35.33
43.7	46	17.07	54.0	71	21.33	ATLANTIC CITY	7.5	13	28.30	8.5	16	30.58
22.8	15	10.67	29.5	19	10.44	AUGUSTA	10.4	14	21.84	14.1	19	21.94
34.6	25	11.73	43.7	33	12.25	AUSTIN	5.4	4	12.02	7.1	14	31.93
51.7	24	7.53	52.2	36	11.18	BAKERSFIELD	4.4	6	21.97	2.8	3	17.25
281.9	295	16.98	353.6	523	23.34	BALTIMORE	57.9	73	20.46	62.5	132	34.25
21.3	19	14.48	27.1	16	9.58	BATON ROUGE	11.7	16	22.28	14.1	39	44.87
22.1	29	21.32	25.7	48	30.26	BAY CITY	0.1	0	0.00	0.1	1	149.41
42.5	30	11.46	48.2	47	15.82	BEAUMONT	10.5	24	37.18	10.6	31	47.37
15.8	16	16.41	16.7	8	7.75	BILLINGS	0.2	0	0.00	0.1	0	0.00
51.2	37	11.74	62.7	66	17.08	BINGHAMTON	0.4	1	44.83	0.3	1	47.56
83.3	53	10.32	106.9	92	13.96	BIRMINGHAM	41.2	45	17.73	49.8	105	34.21
756.3	660	14.16	1026.1	987	15.61	BOSTON	16.2	23	23.07	18.0	31	27.92
148.6	127	13.87	182.0	199	17.74	BRIDGEPORT	4.4	5	18.30	5.1	14	44.70
63.1	68	17.50	80.2	77	15.58	BROCKTON	1.4	0	0.00	0.9	2	34.70
22.8	17	12.09	25.4	30	19.20	BROWNSVILLE	0.2	0	0.00	0.2	1	82.21
287.6	257	14.50	341.9	431	20.46	BUFFALO	11.8	19	26.02	11.3	26	37.24
78.9	77	15.84	90.6	118	21.14	CANTON	3.0	3	16.17	2.9	5	28.09
31.7	31	15.85	40.0	29	11.77	CEDAR RAPIDS	0.3	0	0.00	0.3	0	0.00
20.4	18	14.35	24.4	26	15.96	CHAMPAIGN	1.0	2	33.44	1.0	1	15.69
18.6	6	5.23	24.4	15	9.99	CHARLESTON SC	8.9	6	10.99	12.8	25	31.68
45.4	28	10.01	51.6	41	12.89	CHARLESTON WVA	3.7	4	17.60	3.9	6	24.78
32.7	25	12.40	44.8	18	6.52	CHARLOTTE	8.9	15	27.51	11.0	22	32.60
46.7	48	16.69	59.0	39	10.72	CHATTANOOGA	9.4	12	20.61	11.8	29	40.01
1259.2	962	12.14	1489.9	1467	15.98	CHICAGO	136.4	144	17.13	151.3	263	28.20
218.9	214	15.87	294.9	349	19.21	CINCINNATI	24.7	34	22.38	26.8	57	34.51
364.2	515	22.95	437.2	700	29.32	CLEVELAND	39.9	61	24.79	43.7	113	41.94
25.4	10	6.39	33.8	15	7.20	COLORADO SPRGS	0.6	0	0.00	0.8	0	0.00
29.2	23	12.80	38.5	24	10.12	COLUMBIA	10.7	15	22.76	13.2	33	40.63
19.6	17	14.05	26.3	24	14.81	COLUMBUS GA	8.3	2	3.89	12.0	12	16.18
118.0	116	15.69	155.0	190	19.89	COLUMBUS OHIO	15.1	28	30.11	16.0	47	47.58
30.3	38	20.34	33.2	41	20.03	CORPUS CHRISTI	1.5	2	21.81	1.7	4	38.02
172.5	145	13.65	225.7	198	14.24	DALLAS	25.9	25	15.69	27.7	73	42.74
65.6	43	10.64	77.5	65	13.61	DAVENPORT	1.1	1	14.79	1.0	4	64.03
122.9	125	16.50	150.1	180	19.47	DAYTON	11.2	11	15.88	11.6	39	54.74
27.2	18	10.72	34.7	28	13.10	DECATUR	0.9	0	0.00	1.0	1	16.21
181.7	98	8.75	229.9	124	8.75	DENVER	6.4	2	5.05	6.9	5	11.71
58.5	32	8.88	76.4	56	11.90	DES MOINES	2.3	2	14.05	2.6	1	6.33
680.8	894	21.31	735.0	1244	27.47	DETROIT	83.2	125	24.38	86.8	224	41.90
18.3	21	18.67	25.2	25	16.12	DUBUQUE	0.0	0	0.00	0.0	0	0.00
80.8	97	19.47	80.0	102	20.68	DULUTH	0.4	1	42.71	0.3	1	56.97
13.7	10	11.83	19.0	15	12.78	DURHAM	5.6	8	23.01	7.0	23	53.21
38.8	42	17.55	47.3	58	19.89	EL PASO	1.1	1	14.48	0.9	3	51.37
57.4	60	16.96	67.9	95	22.71	ERIE	0.7	2	36.53	0.9	2	37.45
35.1	25	11.56	37.0	24	10.53	EUGENE	0.1	0	0.00	0.1	0	0.00
44.8	42	15.23	57.4	59	16.67	EVANSVILLE	3.5	3	13.96	3.7	14	61.25
102.8	138	21.79	138.1	221	25.97	FALL RIVER	1.3	4	49.84	1.2	10	140.33
23.7	9	6.17	25.2	16	10.32	FARGO	0.0	0	0.00	0.0	0	0.00
63.5	56	14.31	70.4	98	22.59	FLINT	3.7	5	21.93	3.9	11	45.95
91.8	53	9.37	93.6	44	7.63	FT. LAUDERDALE	5.6	6	17.52	5.7	13	37.03
15.8	12	12.29	20.0	10	8.10	FORT SMITH	1.1	0	0.00	1.4	1	11.30
47.2	44	15.14	59.3	66	18.05	FORT WAYNE	1.4	1	11.81	1.5	2	21.75
97.2	86	14.35	121.3	86	11.51	FORT WORTH	11.0	13	19.27	12.2	25	33.39
73.4	57	12.61	78.4	57	11.80	FRESNO	6.9	6	14.15	6.5	5	17.93
16.6	13	12.68	19.7	8	6.54	GADSDEN	2.4	3	19.96	2.9	4	22.36
21.2	20	15.30	23.2	25	17.52	GALVESTON	5.3	7	21.44	5.5	11	32.69
95.2	121	20.62	93.6	170	29.48	GARY	12.2	18	23.93	11.9	24	32.79
79.1	98	20.09	97.7	119	19.78	GRAND RAPIDS	2.2	2	14.98	2.2	4	29.35
15.4	10	10.56	15.2	18	19.23	GREAT FALLS	0.2	0	0.00	0.1	0	0.00
25.8	33	20.79	30.4	43	22.96	GREEN BAY	0.2	2	132.08	0.3	0	0.00
33.6	21	10.19	43.2	29	10.90	GREENSBORO	7.3	13	29.03	8.4	17	33.02
28.8	23	12.95	37.6	32	13.80	GREENVILLE	5.3	3	9.23	6.7	16	38.53
35.9	41	18.52	43.1	43	16.21	HAMILTON	1.8	1	9.25	1.8	5	44.91
76.7	84	17.78	99.0	154	25.25	HARRISBURG	4.0	11	45.10	4.4	8	29.18
153.4	163	17.24	184.3	242	21.31	HARTFORD	3.9	4	16.59	4.4	7	25.75
19.5	16	13.33	21.0	28	21.65	HONOLULU	51.5	56	17.65	41.6	65	25.35
160.5	120	12.13	193.1	158	14.28	HOUSTON	36.0	31	13.99	39.5	60	24.66
58.7	50	13.83	67.9	67	16.02	HUNTINGTON	2.3	1	7.20	2.4	2	13.74
13.4	11	13.30	15.7	19	19.61	HUNTSVILLE	3.6	4	17.79	4.3	9	33.60
127.0	127	16.24	167.3	165	16.01	INDIANAPOLIS	19.6	13	10.77	21.5	39	29.46
29.2	39	21.65	34.5	59	27.77	JACKSON MICH	1.4	1	[illegible]	0.9	3	56.57
18.6	7	6.10	25.8	11	6.92	JACKSON MISS	12.4	16	20.97	14.5	24	26.81
58.5	33	9.16	73.5	57	12.58	JACKSONVILLE	17.5	26	24.15	20.9	47	36.45
153.8	171	18.04	182.6	323	28.71	JERSEY CITY	5.3	7	21.37	6.1	15	39.69
73.8	65	14.30	77.8	117	24.40	JOHNSTOWN	0.7	0	0.00	0.7	1	23.18
34.3	27	12.79	42.4	65	24.86	KALAMAZOO	0.9	1	17.31	0.9	2	34.76
207.2	171	13.40	267.5	219	13.29	KANSAS CITY	26.5	34	20.80	28.6	56	31.81
24.0	21	14.22	25.4	36	22.96	KENOSHA	0.1	0	0.00	0.1	0	0.00
66.0	31	7.62	82.0	53	10.48	KNOXVILLE	5.6	5	14.49	6.8	11	26.20
15.7	16	16.59	17.9	19	17.25	LAKE CHARLES	4.5	11	39.63	4.6	14	49.53
65.8	82	20.24	85.1	138	26.33	LANCASTER	0.7	1	22.31	0.7	1	22.94
59.0	55	15.13	70.6	101	23.21	LANSING	1.1	0	0.00	0.9	1	17.23
10.7	13	19.66	13.3	22	26.94	LAREDO	0.0	0	0.00	0.0	0	0.00
20.5	24	18.99	17.7	15	13.78	LAS VEGAS	1.3	3	36.77	1.1	3	43.17
10.9	4	7.48	12.3	7	9.26	LAWTON	1.1	1	14.35	1.2	0	0.00
22.9	11	7.79	29.6	32	17.54	LEXINGTON	5.2	6	18.64	5.8	12	33.64
23.5	24	16.59	28.1	39	22.55	LIMA	1.1	0	0.00	1.0	0	0.00
34.8	26	12.13	46.4	30	10.49	LINCOLN	0.5	0	0.00	0.4	1	38.11
40.9	33	13.09	50.1	20	6.48	LITTLE ROCK	12.1	11	14.77	13.6	21	25.02
40.6	53	21.20	44.7	77	27.95	LORAIN	1.9	2	17.01	1.8	5	44.91
1351.8	665	7.98	1806.1	900	8.09	LOS ANGELES	86.9	65	12.13	93.9	113	19.52

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

DIABETES MELLITUS (I.S.C. 260)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
129.3	105	13.18	171.8	152	14.36	LOUISVILLE	18.4	20	17.60	21.2	42	32.09
21.3	20	15.27	25.2	12	7.73	LUBBOCK	1.5	2	21.71	1.3	5	64.12
18.8	17	14.70	25.3	11	7.06	LYNCHBURG	4.8	1	3.38	5.6	8	23.16
19.4	17	14.25	26.4	27	16.58	MACON	8.3	7	13.61	12.1	20	26.74
44.7	29	10.54	55.3	44	12.92	MADISON	0.3	0	0.00	0.3	0	0.00
44.4	56	20.45	58.6	70	19.40	MANCHESTER	0.1	0	0.00	0.1	0	0.00
70.7	45	10.33	98.1	59	9.76	MEMPHIS	44.4	44	16.07	49.9	81	26.36
228.5	172	12.21	247.1	188	12.35	MIAMI	15.5	15	15.74	16.2	30	30.00
6.6	3	7.41	7.5	3	6.52	MIDLAND	0.7	0	0.00	0.7	4	95.26
263.6	191	11.76	312.8	313	14.24	MILWAUKEE	6.9	7	16.35	6.6	7	17.30
321.0	262	13.24	403.6	343	13.79	MINNEAPOLIS	4.9	3	9.97	4.8	6	20.26
35.2	28	12.91	43.1	31	11.66	MOBILE	14.4	11	12.42	18.2	16	14.27
13.5	9	10.80	15.9	21	21.42	MONROE	6.7	11	26.74	7.6	18	38.52
17.2	18	16.97	24.3	16	10.67	MONTGOMERY	11.0	7	10.36	15.7	21	21.72
22.7	7	5.00	27.5	20	11.90	MUNCIE	1.2	1	13.61	1.1	0	0.00
28.4	32	18.29	31.7	36	18.45	MUSKEGON	1.6	2	20.52	1.4	4	45.13
62.3	33	8.60	85.6	41	7.78	NASHVILLE	15.3	17	18.09	18.7	28	24.36
365.6	354	15.71	459.9	586	20.68	NEWARK	32.2	53	26.68	38.8	106	44.39
156.2	133	13.82	188.6	244	21.00	NEW HAVEN	4.7	2	6.91	5.0	11	35.51
117.2	149	20.64	160.2	275	27.96	NEW ORLEANS	43.1	63	23.72	55.1	158	46.50
23.8	16	10.90	25.8	25	15.73	NEWPORT NEWS	10.2	19	30.26	9.8	19	31.18
2467.0	2156	14.18	2962.3	3089	16.92	NEW YORK	190.1	304	25.95	233.8	500	34.71
61.3	33	8.74	76.8	43	9.08	NORFOLK	23.8	33	22.55	26.9	59	35.60
9.2	5	8.82	9.2	6	7.06	ODESSA	0.5	1	35.12	0.4	1	36.74
20.1	20	16.11	22.3	14	10.17	OGDEN	0.6	0	0.00	0.4	0	0.00
95.7	69	11.70	119.5	86	11.68	OKLAHOMA CITY	7.9	7	14.47	8.6	15	28.36
96.6	76	12.77	116.2	114	15.93	OMAHA	5.1	8	25.50	5.5	9	26.51
63.9	31	7.87	73.9	38	8.35	ORLANDO	8.4	7	13.56	8.4	18	34.83
262.5	228	14.10	319.2	414	21.05	PATERSON	5.7	10	28.40	7.0	22	50.85
24.8	14	9.16	28.5	13	7.40	PENSACOLA	5.2	6	18.65	6.5	13	32.55
64.6	40	10.05	78.5	70	14.47	PEORIA	1.5	1	10.82	1.7	1	9.80
868.2	815	15.23	1095.9	1467	21.72	PHILADELPHIA	114.4	135	19.16	130.6	266	33.05
125.1	61	7.91	131.7	95	11.71	PHOENIX	6.5	5	12.44	5.1	10	31.97
556.5	557	16.24	626.8	909	23.54	PITTSBURGH	36.0	50	22.57	33.8	87	41.72
36.3	40	17.86	47.8	70	23.77	PITTSFIELD	0.3	0	0.00	0.4	0	0.00
46.7	41	14.24	62.6	52	13.22	PORTLAND MAINE	0.2	0	0.00	0.2	1	98.39
222.1	137	10.01	259.8	173	10.81	PORTLAND OREG.	4.7	3	10.30	3.5	4	18.67
180.8	224	20.11	234.4	408	28.25	PROVIDENCE	2.7	8	47.27	2.7	8	47.24
16.9	14	13.47	19.1	25	21.29	PROVO	0.1	1	255.93	0.0	0	0.00
28.0	11	6.38	30.9	26	13.67	PUEBLO	0.7	2	43.39	0.8	2	41.82
32.3	20	10.06	36.8	38	16.77	RACINE	0.5	0	0.00	0.4	0	0.00
21.7	17	12.71	28.0	19	11.01	RALEIGH	6.9	10	23.49	8.5	21	40.09
75.5	71	15.26	89.1	179	23.49	READING	0.8	2	38.92	0.9	1	19.08
18.9	21	18.05	18.0	12	10.82	RENO	0.6	0	0.00	0.4	0	0.00
61.1	61	16.21	88.6	56	10.26	RICHMOND	18.9	28	24.00	22.9	40	28.40
31.3	22	11.42	39.9	31	12.62	ROANOKE	4.2	5	19.32	4.9	10	33.38
145.9	94	10.46	184.8	148	13.00	ROCHESTER	2.6	0	0.00	2.8	9	52.36
44.6	27	9.82	51.8	40	12.52	ROCKFORD	1.0	1	16.56	1.1	1	15.15
92.9	38	6.64	98.1	66	10.92	SACRAMENTO	6.8	11	26.42	4.5	13	47.22
37.0	56	24.55	42.9	72	27.21	SAGINAW	2.1	3	23.55	2.0	6	49.81
28.3	13	7.45	36.7	16	7.07	ST. JOSEPH	0.9	0	0.00	1.1	5	74.44
409.7	373	14.77	533.2	541	16.47	ST. LOUIS	56.0	56	16.23	64.0	135	34.22
68.9	51	12.02	82.4	75	14.76	SALT LAKE CITY	1.4	0	0.00	0.8	1	20.07
13.9	6	6.99	16.5	7	6.89	SAN ANGELO	0.7	0	0.00	0.8	0	0.00
110.4	120	17.64	141.0	176	20.25	SAN ANTONIO	8.0	11	22.29	10.2	27	42.98
190.1	87	7.43	210.2	113	8.72	SAN BERNARDINO	6.2	4	10.53	5.6	7	20.44
185.5	87	7.61	226.8	119	8.51	SAN DIEGO	6.2	4	10.55	5.7	7	19.92
588.4	324	8.94	724.8	451	10.10	SAN FRANCISCO	52.9	51	15.64	43.1	48	18.08
110.3	71	10.44	138.2	83	9.75	SAN JOSE	3.7	1	4.43	2.7	2	12.03
36.0	21	9.48	46.0	29	10.24	SANTA BARBARA	1.3	0	0.00	0.9	3	56.30
20.1	16	12.89	28.0	29	16.79	SAVANNAH	10.6	16	24.61	13.8	32	37.69
64.2	58	14.67	81.9	145	28.74	SCRANTON	0.2	0	0.00	0.3	0	0.00
257.3	163	10.28	296.9	232	12.68	SEATTLE	10.9	12	17.86	7.2	11	24.88
33.9	30	14.38	42.3	36	13.81	SHREVEPORT	19.3	24	20.20	23.4	36	24.94
29.6	30	16.44	33.9	37	17.73	SIOUX CITY	0.4	1	41.95	0.4	1	41.50
19.5	21	17.46	22.8	16	11.41	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
50.2	58	18.76	58.5	82	22.77	SOUTH BEND	2.2	5	36.53	2.2	7	52.59
73.7	60	13.21	81.5	69	13.74	SPOKANE	1.1	0	0.00	0.8	1	19.82
37.3	31	13.48	48.1	40	13.50	SPRINGFIELD I.	1.5	2	21.17	1.8	2	18.27
33.3	21	10.23	42.4	17	6.50	SPRINGFIELD MO	0.7	0	0.00	0.8	4	82.22
29.0	29	16.22	36.1	33	14.85	SPRINGFIELD O.	2.7	5	29.97	3.3	7	34.51
126.7	106	13.58	165.6	161	15.77	SPRINGFIELD MA	1.9	2	16.84	2.3	7	49.79
38.9	46	19.17	38.9	87	36.33	STEUBENVILLE	1.6	2	20.92	1.5	2	22.21
60.9	37	9.86	58.8	46	12.69	STOCKTON	7.4	3	6.55	3.2	6	30.44
132.2	107	13.14	159.2	158	16.11	SYRACUSE	1.8	1	9.16	1.7	2	18.73
75.4	68	14.64	83.5	82	15.94	TACOMA	1.6	2	20.74	1.2	1	13.04
282.6	176	10.11	306.0	163	8.64	TAMPA	14.9	20	21.82	16.0	39	39.58
29.9	32	17.39	36.5	40	17.78	TERRE HAUTE	1.4	1	11.86	1.5	5	55.69
18.6	13	11.36	21.2	22	16.81	TEXARKANA	5.8	5	13.97	6.3	9	23.27
103.9	151	23.59	126.3	229	29.43	TOLEDO	7.2	12	27.04	7.5	22	47.60
30.2	16	8.60	39.7	25	10.23	TOPEKA	2.4	5	34.46	2.6	6	37.20
57.6	77	21.71	69.8	86	19.99	TRENTON	4.8	9	30.48	4.9	8	26.80
49.8	36	11.74	55.8	32	9.31	TUCSON	3.0	2	10.73	2.6	6	37.05
81.2	54	10.80	99.1	75	12.29	TULSA	8.1	9	17.94	9.1	16	28.60
16.7	13	12.67	19.5	20	16.65	TUSCALOOSA	5.4	3	9.01	6.2	16	41.69
14.9	11	11.99	17.9	8	7.26	TYLER	4.9	5	16.53	5.4	5	14.97
88.2	86	15.82	105.0	115	17.77	UTICA	0.7	0	0.00	0.6	1	27.27
30.4	17	9.08	36.9	29	12.77	WACO	5.6	5	14.59	6.4	8	20.23
254.7	173	11.02	359.4	218	9.84	WASHINGTON	73.2	72	15.97	86.2	117	22.02
25.8	18	11.32	31.3	29	15.02	WATERLOO	0.7	0	0.00	0.6	2	50.96
62.6	43	11.15	68.3	38	9.03	W. PALM BEACH	8.6	8	15.08	6.7	25	60.70
55.2	39	11.47	63.0	76	19.58	WHEELING	1.4	1	11.45	1.3	8	100.20
56.3	48	13.83	72.2	58	13.03	WICHITA	3.0	1	5.42	3.1	5	26.51
23.7	15	10.26	28.2	10	5.76	WICHITA FALLS	1.6	1	10.40	1.6	1	9.86
92.9	125	21.84	116.8	278	38.53	WILKES-BARRE	0.3	1	59.88	0.3	3	178.55
65.5	68	16.84	80.1	130	26.35	WILMINGTON	8.4	14	27.05	8.1	20	40.17
23.9	14	9.51	31.2	24	12.50	WINSTON-SALEM	7.4	14	30.78	9.5	19	32.62
155.3	108	11.28	197.5	161	13.23	WORCESTER	0.8	1	20.21	0.8	0	0.00
57.5	47	13.27	68.0	97	23.14	YORK	0.8	1	19.38	0.9	2	36.68
111.0	152	22.23	119.4	213	28.94	YOUNGSTOWN	8.5	12	22.97	7.6	27	57.49
22869.7	19421	13.78	27965.7	28661	16.63	TOTAL 201 SMSA	2114.4	2540	19.50	2338.1	4681	32.49

ALL AGE STANDARD RATE = 16.23

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

MULTIPLE SCLEROSIS (I.S.C. 345)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
1.2	1	0.68	1.3	0	0.00	ABILENE	0.1	0	0.00	0.1	0	0.00
5.7	3	0.43	6.0	10	1.36	AKRON	0.4	0	0.00	0.4	0	0.00
0.4	0	0.00	0.5	0	0.00	ALBANY GA	0.2	1	4.04	0.3	0	0.00
8.1	9	0.91	9.1	11	0.99	ALBANY NY	0.2	0	0.00	0.2	0	0.00
2.4	1	0.34	2.5	2	0.65	ALBUQUERQUE	0.1	1	12.24	0.1	0	0.00
6.3	2	0.26	6.8	11	1.33	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
1.7	2	0.96	1.9	3	1.27	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.4	3	1.71	1.5	1	0.55	AMARILLO	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.7	1	0.48	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
1.4	0	0.00	1.4	1	0.52	ASHEVILLE	0.2	0	0.00	0.2	0	0.00
8.4	4	0.30	9.5	5	0.43	ATLANTA	2.1	2	0.78	2.7	0	0.00
1.8	1	0.45	2.1	2	0.78	ATLANTIC CITY	0.3	0	0.00	0.4	1	2.10
1.5	0	0.00	1.6	0	0.00	AUGUSTA	0.6	0	0.00	0.7	0	0.00
1.9	0	0.00	2.1	1	0.40	AUSTIN	0.3	0	0.00	0.3	0	0.00
3.0	2	0.54	2.9	1	0.28	BAKERSFIELD	0.2	0	0.00	0.2	0	0.00
16.3	16	0.81	17.5	18	0.86	BALTIMORE	3.9	2	0.43	4.0	4	0.83
1.6	1	0.53	1.6	0	0.00	BATON ROUGE	0.6	0	0.00	0.7	0	0.00
1.2	2	1.41	1.2	1	0.67	BAY CITY	0.0	0	0.00	0.0	0	0.00
2.7	2	0.60	2.8	3	0.88	BEAUMONT	0.6	0	0.00	0.7	1	1.24
0.9	0	0.00	0.9	2	1.90	BILLINGS	0.0	0	0.00	0.0	0	0.00
2.6	0	0.00	2.8	3	0.87	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
4.8	2	0.35	5.3	6	0.92	BIRMINGHAM	2.2	2	0.75	2.6	0	0.00
36.4	46	1.04	42.7	57	1.10	BOSTON	0.9	1	0.88	1.0	0	0.00
7.9	12	1.24	8.6	3	0.29	BRIDGEPORT	0.3	0	0.00	0.4	3	6.64
2.9	5	1.69	3.2	3	0.77	BROCKTON	0.1	0	0.00	0.0	0	0.00
1.3	1	0.63	1.4	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
15.0	15	0.82	14.1	14	0.71	BUFFALO	0.9	0	0.00	0.8	0	0.00
3.9	2	0.42	4.1	9	1.81	CANTON	0.2	0	0.00	0.2	0	0.00
1.5	2	1.07	1.7	3	1.48	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.2	2	1.37	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.3	0	0.00	1.4	2	1.18	CHARLESTON SC	0.6	0	0.00	0.8	0	0.00
2.6	4	1.25	2.8	2	0.58	CHARLESTON WVA	0.2	0	0.00	0.2	0	0.00
2.2	3	1.13	2.5	1	0.33	CHARLOTTE	0.6	1	1.41	0.7	0	0.00
2.6	5	1.58	3.0	6	1.67	CHATTANOOGA	0.5	0	0.00	0.6	1	1.29
67.9	87	1.09	72.3	110	1.25	CHICAGO	9.1	2	0.18	9.7	6	0.51
11.0	8	0.60	12.7	14	0.91	CINCINNATI	1.4	2	1.18	1.6	2	1.06
19.2	19	0.81	21.0	33	1.29	CLEVELAND	2.7	2	0.61	2.8	3	0.87
1.4	1	0.58	1.5	3	1.59	COLORADO SPRGS	0.0	0	0.00	0.0	0	0.00
1.9	1	0.46	2.0	1	0.41	COLUMBIA	0.6	0	0.00	0.7	0	0.00
1.4	1	0.59	1.5	0	0.00	COLUMBUS GA	0.5	0	0.00	0.7	0	0.00
6.5	8	1.01	7.2	8	0.91	COLUMBUS OHIO	0.9	2	1.87	0.9	0	0.00
2.0	1	0.41	2.1	1	0.40	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
10.2	3	0.24	11.5	4	0.29	DALLAS	1.5	1	0.55	1.6	1	0.50
3.2	2	0.51	3.4	3	0.73	DAVENPORT	0.1	0	0.00	0.1	0	0.00
6.9	7	0.83	7.4	13	1.45	DAYTON	0.7	0	0.00	0.7	2	2.25
1.2	0	0.00	1.5	1	0.56	DECATUR	0.1	0	0.00	0.1	0	0.00
9.8	10	0.84	10.7	17	1.31	DENVER	0.4	0	0.00	0.4	0	0.00
2.9	3	0.85	3.3	3	0.76	DES MOINES	0.1	0	0.00	0.1	0	0.00
38.6	45	0.96	39.4	38	0.79	DETROIT	6.0	5	0.69	6.1	4	0.54
0.8	1	0.99	1.0	1	0.86	DUBUQUE	0.0	0	0.00	0.0	0	0.00
3.5	3	0.71	3.5	4	0.96	DULUTH	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	1.0	3	2.55	DURHAM	0.3	0	0.00	0.4	0	0.00
2.6	2	0.63	2.8	2	0.59	EL PASO	0.1	0	0.00	0.1	0	0.00
2.9	6	1.71	3.1	7	1.85	ERIE	0.1	0	0.00	0.1	0	0.00
1.9	3	1.33	1.8	3	1.36	EUGENE	0.0	0	0.00	0.0	0	0.00
2.2	3	1.12	2.5	1	0.33	EVANSVILLE	0.2	0	0.00	0.2	0	0.00
4.9	2	0.33	5.8	15	2.13	FALL RIVER	0.1	0	0.00	0.1	0	0.00
1.2	2	1.42	1.2	1	0.70	FARGO	0.0	0	0.00	0.0	0	0.00
3.7	0	0.00	3.7	4	0.88	FLINT	0.3	0	0.00	0.3	0	0.00
4.0	5	1.03	4.4	5	0.96	FT. LAUDERDALE	0.4	0	0.00	0.4	1	1.89
0.7	2	2.21	0.9	0	0.00	FORT SMITH	0.0	0	0.00	0.1	0	0.00
2.5	2	0.64	2.7	3	0.90	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
5.7	3	0.43	6.1	6	0.80	FORT WORTH	0.6	0	0.00	0.7	1	1.21
3.8	1	0.22	3.9	5	1.07	FRESNO	0.3	0	0.00	0.3	0	0.00
0.9	0	0.00	1.0	0	0.00	GADSDEN	0.1	0	0.00	0.2	0	0.00
1.3	1	0.63	1.3	1	0.63	GALVESTON	0.3	0	0.00	0.3	0	0.00
5.6	5	0.73	5.3	7	1.08	GARY	0.8	0	0.00	0.8	1	1.00
3.9	7	1.48	4.3	7	1.35	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.8	1	1.04	0.8	2	2.18	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.3	2	1.25	1.4	4	2.33	GREEN BAY	0.0	0	0.00	0.0	0	0.00
2.1	1	0.39	2.3	0	0.00	GREENSBORO	0.5	1	1.72	0.5	0	0.00
1.8	2	0.90	2.0	5	2.02	GREENVILLE	0.3	0	0.00	0.4	0	0.00
2.0	2	0.82	2.1	5	1.96	HAMILTON	0.1	1	8.33	0.1	0	0.00
3.9	3	0.63	4.4	5	0.96	HARRISBURG	0.2	0	0.00	0.2	0	0.00
8.2	9	0.90	8.8	9	0.84	HARTFORD	0.3	0	0.00	0.3	0	0.00
1.7	0	0.00	1.5	1	0.56	HONOLULU	3.4	0	0.00	2.8	1	0.29
10.9	2	0.15	11.4	6	0.43	HOUSTON	2.4	2	0.69	2.5	1	0.33
2.9	3	0.86	3.1	3	0.79	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	0.9	2	1.76	HUNTSVILLE	0.2	0	0.00	0.2	0	0.00
6.9	3	0.36	7.9	6	0.63	INDIANAPOLIS	1.1	2	1.55	1.2	0	0.00
1.5	1	0.55	1.5	1	0.55	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
1.2	0	0.00	1.4	0	0.00	JACKSON MISS	0.6	0	0.00	0.8	2	2.19
3.7	1	0.22	4.0	2	0.41	JACKSONVILLE	1.1	1	0.78	1.2	0	0.00
7.8	11	1.16	8.6	12	1.15	JERSEY CITY	0.4	0	0.00	0.4	0	0.00
3.4	3	0.72	3.6	5	1.15	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.8	3	1.39	1.9	4	1.70	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
10.8	12	0.91	12.1	19	1.29	KANSAS CITY	1.3	0	0.00	1.4	2	1.16
1.2	1	0.69	1.2	1	0.68	KENOSHA	0.0	0	0.00	0.0	0	0.00
3.8	2	0.43	4.2	5	0.97	KNOXVILLE	0.3	0	0.00	0.4	0	0.00
1.1	0	0.00	1.1	0	0.00	LAKE CHARLES	0.3	0	0.00	0.3	0	0.00
3.2	4	1.04	3.5	7	1.62	LANCASTER	0.0	0	0.00	0.0	0	0.00
3.1	5	1.36	3.3	3	0.76	LANSING	0.1	0	0.00	0.1	0	0.00
0.8	1	1.44	0.7	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
1.5	2	1.13	1.3	0	0.00	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.7	0	0.00	LAWTON	0.1	0	0.00	0.1	1	10.79
1.2	0	0.00	1.3	0	0.00	LEXINGTON	0.2	0	0.00	0.3	0	0.00
1.1	2	1.45	1.2	3	2.06	LIMA	0.1	0	0.00	0.1	0	0.00
1.6	1	0.50	1.9	3	1.33	LINCOLN	0.0	0	0.00	0.0	0	0.00
2.2	1	0.37	2.4	1	0.36	LITTLE ROCK	0.5	0	0.00	0.6	0	0.00
2.3	2	0.72	2.3	5	1.82	LORAIN	0.1	0	0.00	0.1	0	0.00
73.8	68	0.76	81.9	63	0.63	LOS ANGELES	6.1	2	0.27	6.2	1	0.13

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MULTIPLE SCLEROSIS (I.S.C. 345)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
7.1	4	0.46	8.0	5	0.52	LOUISVILLE	0.9	0	0.00	1.1	2	1.56
1.4	1	0.60	1.4	0	0.00	LUBBOCK	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	1	0.72	LYNCHBURG	0.2	0	0.00	0.3	0	0.00
1.3	1	0.64	1.4	3	1.73	MACON	0.5	0	0.00	0.6	1	1.30
2.3	2	0.72	2.5	2	0.67	MADISON	0.0	0	0.00	0.0	0	0.00
2.1	3	1.15	2.5	2	0.66	MANCHESTER	0.0	0	0.00	0.0	0	0.00
4.3	0	0.00	4.9	1	0.17	MEMPHIS	2.2	0	0.00	2.5	0	0.00
10.9	10	0.75	11.8	12	0.83	MIAMI	1.3	0	0.00	1.3	0	0.00
0.6	0	0.00	0.6	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
13.8	14	0.83	14.7	21	1.17	MILWAUKEE	0.5	2	3.03	0.5	0	0.00
16.1	16	0.82	18.0	22	1.00	MINNEAPOLIS	0.3	0	0.00	0.3	0	0.00
2.3	1	0.36	2.4	0	0.00	MOBILE	0.9	1	0.92	1.0	1	0.79
0.7	2	2.20	0.8	2	2.03	MONROE	0.3	0	0.00	0.4	0	0.00
1.1	1	0.74	1.2	2	1.33	MONTGOMERY	0.6	0	0.00	0.7	0	0.00
1.2	1	0.71	1.2	1	0.66	MUNCIE	0.1	0	0.00	0.1	0	0.00
1.5	5	2.68	1.6	4	2.08	MUSKEGON	0.1	0	0.00	0.1	0	0.00
3.5	1	0.23	4.1	2	0.40	NASHVILLE	0.8	4	4.06	1.0	0	0.00
19.5	19	0.80	21.5	22	0.84	NEWARK	2.3	3	1.09	2.6	1	0.32
7.9	11	1.15	8.6	13	1.26	NEW HAVEN	0.3	1	2.69	0.3	0	0.00
7.0	1	0.12	7.9	0	0.00	NEW ORLEANS	2.5	1	0.32	3.0	2	0.55
1.7	0	0.00	1.6	6	3.08	NEWPORT NEWS	0.6	1	1.28	0.6	0	0.00
126.7	107	0.69	141.5	143	0.83	NEW YORK	13.4	10	0.61	16.1	20	1.02
4.2	2	0.39	4.3	1	0.19	NORFOLK	1.5	1	0.55	1.6	1	0.50
0.8	0	0.00	0.8	1	1.06	ODESSA	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.1	2	1.45	OGDEN	0.0	0	0.00	0.0	0	0.00
5.2	3	0.47	5.8	3	0.43	OKLAHOMA CITY	0.4	0	0.00	0.5	0	0.00
4.9	4	0.67	5.3	4	0.62	OMAHA	0.3	0	0.00	0.3	0	0.00
3.0	3	0.81	3.3	6	1.51	ORLANDO	0.5	0	0.00	0.5	0	0.00
14.8	10	0.55	16.0	14	0.72	PATERSON	0.4	0	0.00	0.5	0	0.00
1.6	0	0.00	1.6	1	0.50	PENSACOLA	0.3	0	0.00	0.4	0	0.00
3.3	4	0.99	3.5	7	1.63	PEORIA	0.1	0	0.00	0.1	0	0.00
45.7	49	0.88	50.5	70	1.16	PHILADELPHIA	7.1	6	0.69	7.9	12	1.24
7.0	4	0.47	7.1	8	0.92	PHOENIX	0.4	0	0.00	0.3	0	0.00
28.2	34	0.99	30.3	43	1.17	PITTSBURGH	1.9	2	0.86	1.9	2	0.85
1.7	2	0.95	2.0	3	1.25	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
2.1	4	1.53	2.5	4	1.32	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
10.2	18	1.45	11.0	25	1.87	PORTLAND OREG.	0.3	0	0.00	0.2	0	0.00
8.9	12	1.11	10.2	11	0.8[illegible]	PROVIDENCE	0.1	0	0.00	0.1	1	5.64
1.0	2	1.72	1.0	1	0.84	PROVO	0.0	0	0.00	0.0	0	0.00
1.3	2	1.23	1.4	2	1.21	PUEBLO	0.0	0	0.00	0.0	0	0.00
1.6	0	0.00	1.7	1	0.49	RACINE	0.0	0	0.00	0.0	0	0.00
1.3	2	1.22	1.5	0	0.00	RALEIGH	0.4	0	0.00	0.5	0	0.00
3.6	4	0.90	4.0	8	1.66	READING	0.0	0	0.00	0.1	0	0.00
1.1	1	0.78	1.0	1	0.82	RENO	0.0	0	0.00	0.0	0	0.00
3.5	3	0.70	4.1	7	1.39	RICHMOND	1.1	1	0.73	1.3	0	0.00
1.7	0	0.00	1.9	3	1.32	ROANOKE	0.2	0	0.00	0.3	1	3.24
7.0	6	0.71	7.9	7	0.73	ROCHESTER	0.2	0	0.00	0.2	1	3.98
2.3	0	0.00	2.4	7	2.37	ROCKFORD	0.1	0	0.00	0.1	0	0.00
5.4	6	0.92	5.2	4	0.63	SACRAMENTO	0.4	0	0.00	0.3	0	0.00
1.9	3	1.28	2.0	1	0.41	SAGINAW	0.2	0	0.00	0.2	0	0.00
1.2	1	0.71	1.3	0	0.00	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
21.3	18	0.70	23.9	21	0.72	ST. LOUIS	3.0	1	0.27	3.5	3	0.71
3.8	5	1.09	4.0	8	1.65	SALT LAKE CITY	0.1	0	0.00	0.0	0	0.00
0.7	0	0.00	0.8	2	2.16	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
6.3	3	0.39	7.0	3	0.35	SAN ANTONIO	0.5	0	0.00	0.6	0	0.00
9.0	3	0.27	9.4	9	0.79	SAN BERNARDINO	0.4	1	2.11	0.3	0	0.00
10.5	11	0.86	11.0	14	1.05	SAN DIEGO	0.5	0	0.00	0.4	0	0.00
31.1	26	0.69	33.4	42	1.03	SAN FRANCISCO	3.9	0	0.00	3.4	2	0.49
6.5	5	0.63	6.9	5	0.59	SAN JOSE	0.2	0	0.00	0.2	1	4.46
1.9	1	0.44	2.0	2	0.82	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
1.3	0	0.00	1.4	0	0.00	SAVANNAH	0.6	0	0.00	0.8	0	0.00
3.1	5	1.33	3.6	5	1.13	SCRANTON	0.0	0	0.00	0.0	0	0.00
12.8	21	1.35	13.3	22	1.36	SEATTLE	0.6	0	0.00	0.5	0	0.00
2.0	0	0.00	2.2	1	0.37	SHREVEPORT	0.9	0	0.00	1.1	0	0.00
1.3	1	0.65	1.4	1	0.59	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.9	2	1.74	1.0	2	1.62	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
2.7	5	1.55	2.8	2	0.58	SOUTH BEND	0.1	1	5.92	0.1	0	0.00
3.3	10	2.51	3.4	10	2.41	SPOKANE	0.1	0	0.00	0.0	0	0.00
1.7	0	0.00	2.0	8	3.26	SPRINGFIELD I.	0.1	0	0.00	0.1	0	0.00
1.5	1	0.56	1.7	2	0.98	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
1.4	0	0.00	1.5	0	0.00	SPRINGFIELD O.	0.1	0	0.00	0.2	0	0.00
6.3	5	0.65	7.0	6	0.70	SPRINGFIELD MA	0.1	0	0.00	0.1	0	0.00
2.0	2	0.83	2.0	4	1.66	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
2.9	1	0.28	2.7	4	1.20	STOCKTON	0.4	1	2.01	0.2	0	0.00
6.4	6	0.76	6.9	6	0.71	SYRACUSE	0.1	0	0.00	0.1	0	0.00
3.6	4	0.91	3.7	7	1.57	TACOMA	0.1	0	0.00	0.1	0	0.00
9.7	5	0.42	11.0	14	1.04	TAMPA	0.9	0	0.00	1.0	0	0.00
1.3	1	0.64	1.5	0	0.00	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	1.0	2	1.71	TEXARKANA	0.2	1	3.39	0.3	0	0.00
5.1	12	1.91	5.6	5	0.74	TOLEDO	0.4	0	0.00	0.5	1	1.79
1.5	0	0.00	1.6	0	0.00	TOPEKA	0.1	0	0.00	0.1	0	0.00
3.0	2	0.54	3.3	6	1.51	TRENTON	0.3	0	0.00	0.3	0	0.00
2.7	1	0.30	3.0	4	1.11	TUCSON	0.2	0	0.00	0.2	0	0.00
4.4	1	0.19	4.8	2	0.34	TULSA	0.4	0	0.00	0.5	0	0.00
0.9	0	0.00	0.9	0	0.00	TUSCALOOSA	0.3	0	0.00	0.3	0	0.00
0.8	0	0.00	0.8	0	0.00	TYLER	0.2	0	0.00	0.3	0	0.00
4.0	4	0.81	4.4	3	0.57	UTICA	0.0	0	0.00	0.0	0	0.00
1.5	0	0.00	1.6	0	0.00	WACO	0.2	0	0.00	0.3	0	0.00
16.9	7	0.34	19.2	19	0.81	WASHINGTON	5.1	2	0.32	5.5	8	1.19
1.3	0	0.00	1.4	2	1.18	WATERLOO	0.0	0	0.00	0.0	0	0.00
2.5	2	0.66	2.8	3	0.89	W. PALM BEACH	0.6	0	0.00	0.5	1	1.69
2.4	2	0.68	2.6	2	0.63	WHEELING	0.1	0	0.00	0.1	0	0.00
3.4	3	0.73	3.6	7	1.58	WICHITA	0.2	0	0.00	0.2	0	0.00
1.3	0	0.00	1.4	0	0.00	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
4.7	9	1.58	5.4	7	1.06	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
3.7	2	0.44	4.0	4	0.82	WILMINGTON	0.5	1	1.67	0.5	0	0.00
1.5	0	0.00	1.7	2	0.96	WINSTON-SALEM	0.4	1	1.84	0.6	0	0.00
7.3	9	1.02	8.1	18	1.82	WORCESTER	0.0	0	0.00	0.0	1	20.64
2.9	5	1.44	3.1	4	1.07	YORK	0.1	0	0.00	0.1	0	0.00
5.6	6	0.88	5.8	10	1.41	YOUNGSTOWN	0.5	1	1.64	0.5	0	0.00
1207.3	1123	0.76	1319.6	1499	0.96	TOTAL 201 SMSA	132.4	76	0.47	142.7	101	0.58

ALL AGE STANDARD RATE = 0.82

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
SUBARACHNOID AND CEREBRAL HEMORRHAGE (I.S.C. 330-331)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
77.2	85	61.58	99.0	112	63.87	ABILENE	3.1	8	142.85	3.4	3	49.13
342.4	357	58.28	414.6	410	55.02	AKRON	18.7	36	107.52	20.0	44	123.19
18.3	16	48.75	23.9	24	56.36	ALBANY GA	13.4	50	208.40	19.8	57	161.10
577.2	588	56.94	776.8	797	57.35	ALBANY NY	8.7	10	64.06	9.6	16	92.70
114.5	119	58.10	134.8	113	46.85	ALBUQUERQUE	3.0	4	74.58	2.9	3	57.98
471.8	315	41.75	532.6	389	40.83	ALLENTOWN	2.4	3	69.39	2.5	3	66.18
135.2	161	66.54	172.4	171	55.45	ALTOONA	0.9	1	64.20	1.1	1	52.29
72.4	78	60.25	91.6	91	55.52	AMARILLO	3.1	6	106.67	3.3	8	134.20
95.2	113	66.36	133.6	159	66.52	ANN ARBOR	6.0	9	84.43	6.4	11	96.48
98.4	112	63.63	126.1	98	43.46	ASHEVILLE	11.1	27	135.97	13.9	38	152.71
437.6	596	76.13	649.0	757	65.20	ATLANTA	111.8	418	209.00	156.7	463	165.12
150.8	161	59.70	194.3	180	51.77	ATLANTIC CITY	25.2	42	93.07	29.2	41	78.40
72.7	87	66.90	102.8	93	50.55	AUGUSTA	35.6	121	189.76	48.4	137	158.11
118.6	111	52.34	159.7	154	53.90	AUSTIN	19.5	36	103.30	26.0	42	90.25
171.7	118	38.41	178.0	128	40.20	BAKERSFIELD	14.3	17	66.59	9.2	11	67.16
924.9	802	48.47	1284.5	969	42.17	BALTIMORE	184.1	306	92.89	208.5	348	93.32
67.6	97	80.15	93.0	109	65.53	BATON ROUGE	40.9	107	146.30	49.5	123	138.91
75.5	102	75.56	91.6	110	67.15	BAY CITY	0.4	1	130.46	0.4	2	308.61
136.2	169	47.35	165.5	146	49.30	BEAUMONT	34.2	80	130.67	34.6	75	121.11
54.3	77	79.20	58.5	73	69.71	BILLINGS	0.6	1	100.84	0.5	2	230.24
173.4	229	73.86	227.7	232	56.97	BINGHAMTON	1.3	3	132.93	1.1	3	149.48
277.4	357	70.93	374.2	388	57.95	BIRMINGHAM	135.4	303	125.11	170.9	427	139.70
2597.1	2345	50.47	3776.3	3260	48.25	BOSTON	54.5	71	72.77	63.3	71	62.71
501.2	461	51.42	650.7	555	47.67	BRIDGEPORT	14.3	31	121.03	16.6	30	101.13
223.5	231	57.76	302.4	343	63.41	BROCKTON	5.3	10	106.11	3.4	3	49.32
77.4	83	59.92	88.4	59	37.32	BROWNSVILLE	0.8	1	66.55	0.6	2	- - -
955.1	818	47.87	1199.4	1024	47.72	BUFFALO	36.4	46	70.61	35.7	42	65.70
271.2	335	69.04	328.0	369	62.88	CANTON	9.6	29	169.08	9.4	18	107.07
111.5	150	75.20	149.5	143	53.48	CEDAR RAPIDS	0.9	0	0.00	1.1	1	49.07
70.8	75	59.18	96.7	111	64.15	CHAMPAIGN	3.2	4	69.70	3.2	3	51.72
58.9	63	59.83	84.5	77	50.96	CHARLESTON SC	27.8	99	199.36	43.0	132	171.47
152.1	175	64.32	177.9	172	54.05	CHARLESTON WVA	12.4	20	90.13	13.0	33	141.46
105.6	119	63.01	156.8	117	41.71	CHARLOTTE	28.5	62	121.65	36.7	66	100.46
157.3	214	76.05	205.9	177	48.06	CHATTANOOGA	31.0	78	140.78	39.7	97	136.60
4107.2	4209	57.28	5148.0	4945	53.69	CHICAGO	432.6	687	88.77	499.2	904	101.23
744.0	705	52.96	1074.9	909	47.27	CINCINNATI	82.4	154	104.49	89.7	158	98.49
1201.6	1109	51.59	1518.0	1311	48.27	CLEVELAND	126.1	178	78.90	143.9	187	72.65
89.0	78	49.01	127.1	122	53.66	COLORADO SPRGS	1.9	2	58.26	2.8	3	59.00
94.6	120	70.93	136.3	118	48.39	COLUMBIA	34.7	102	164.12	44.9	117	145.59
61.9	95	85.78	90.0	139	86.32	COLUMBUS GA	27.2	89	182.73	40.8	114	155.03
400.5	569	79.42	563.7	703	69.71	COLUMBUS OHIO	50.1	86	95.96	54.2	102	105.23
97.5	87	49.86	112.5	88	43.74	CORPUS CHRISTI	4.5	6	73.76	5.8	6	58.23
571.6	665	65.04	799.7	876	61.23	DALLAS	87.0	221	142.00	93.7	228	136.08
225.1	244	60.59	283.3	292	57.62	DAVENPORT	3.7	3	45.86	3.3	9	152.21
416.7	553	74.18	536.2	653	68.07	DAYTON	36.7	65	99.12	38.3	73	106.41
96.6	106	61.37	128.7	126	54.73	DECATUR	3.1	6	106.73	3.4	5	82.49
624.8	578	51.71	841.4	767	50.96	DENVER	21.5	20	52.08	24.3	27	62.11
200.7	247	68.78	280.5	298	59.40	DES MOINES	8.0	14	97.73	9.2	16	96.70
2159.8	2148	55.59	2480.4	2313	52.12	DETROIT	255.5	396	86.62	278.5	460	92.33
65.4	48	41.01	96.9	60	34.62	DUBUQUE	0.1	1	996.11	0.0	0	0.00
282.3	281	55.63	282.4	297	58.79	DULUTH	1.4	4	155.82	1.1	1	51.72
44.8	71	88.58	67.3	73	60.65	DURHAM	18.3	39	118.86	23.7	44	103.70
125.8	125	55.53	160.8	155	53.88	EL PASO	3.7	4	59.82	3.0	5	93.51
197.7	257	72.67	244.0	291	66.67	ERIE	2.8	10	200.30	2.9	7	135.37
120.9	96	44.38	131.6	87	36.94	EUGENE	0.3	0	0.00	0.2	0	0.00
154.6	171	61.83	209.1	215	57.48	EVANSVILLE	12.4	38	171.91	13.0	35	150.00
352.6	483	76.57	501.4	628	70.01	FALL RIVER	4.6	14	170.84	3.9	13	184.09
80.5	122	84.66	89.2	91	57.04	FARGO	0.1	0	0.00	0.1	0	0.00
208.7	232	62.13	245.1	268	61.13	FLINT	11.3	25	124.16	12.4	27	121.79
293.5	201	38.29	304.6	200	36.70	FT. LAUDERDALE	17.4	48	154.52	17.8	59	184.84
56.4	47	46.55	73.2	55	42.00	FORT SMITH	4.2	3	39.91	5.1	5	54.67
159.1	190	66.74	213.4	252	66.02	FORT WAYNE	4.3	3	39.13	4.9	9	101.87
324.8	419	72.10	429.6	478	62.19	FORT WORTH	36.6	57	87.05	42.0	61	81.21
250.6	166	37.03	277.7	195	39.25	FRESNO	24.6	19	43.20	14.7	14	53.39
56.1	60	59.80	69.5	66	53.04	GADSDEN	8.0	18	125.11	9.8	9	51.08
68.2	94	77.04	79.4	110	77.47	GALVESTON	16.9	49	162.10	17.9	66	206.11
306.4	404	73.70	314.3	376	66.88	GARY	38.0	97	142.86	38.1	70	102.69
270.6	297	61.34	356.0	335	52.60	GRAND RAPIDS	7.1	15	117.73	7.5	10	74.67
52.8	77	81.55	52.4	57	60.79	GREAT FALLS	0.5	1	102.70	0.5	2	225.79
88.3	125	79.14	107.7	118	61.23	GREEN BAY	0.8	3	204.76	1.0	3	168.38
109.4	151	77.16	149.6	152	56.81	GREENSBORO	23.1	62	150.11	27.7	76	153.19
93.8	155	92.36	129.0	155	67.18	GREENVILLE	17.5	60	192.13	22.9	65	158.76
123.2	149	67.63	155.6	145	52.08	HAMILTON	6.0	17	158.46	5.9	22	208.13
262.6	281	59.82	361.1	340	52.62	HARRISBURG	13.0	21	90.53	15.4	29	105.33
512.1	436	47.60	654.9	555	47.37	HARTFORD	12.4	15	67.81	14.4	28	108.36
60.0	51	47.53	69.8	47	37.61	HONOLULU	171.9	137	44.56	136.2	119	48.83
514.5	610	66.27	658.7	670	56.85	HOUSTON	116.0	213	102.63	133.3	269	112.80
206.3	243	65.84	244.1	228	52.22	HUNTINGTON	8.3	13	87.73	8.2	15	102.18
43.8	62	79.09	53.8	43	44.70	HUNTSVILLE	12.7	60	264.93	15.3	49	178.94
429.6	624	81.18	600.0	738	68.76	INDIANAPOLIS	66.0	116	98.22	74.0	143	107.99
101.0	115	63.65	128.1	139	60.66	JACKSON MICH	4.4	3	38.45	2.9	2	38.06
62.0	74	66.72	92.0	61	37.07	JACKSON MISS	42.8	71	92.73	52.1	81	86.85
190.3	243	71.36	256.4	300	65.41	JACKSONVILLE	57.3	125	122.04	69.9	163	130.30
500.1	476	53.21	621.5	516	46.41	JERSEY CITY	16.5	23	77.81	19.8	40	112.75
256.7	329	71.64	276.3	345	69.67	JOHNSTOWN	2.4	1	23.33	2.3	9	218.21
118.1	155	73.36	154.3	157	56.89	KALAMAZOO	3.2	6	103.65	3.3	5	83.43
711.1	723	56.83	977.2	865	49.48	KANSAS CITY	90.3	134	82.95	99.3	140	78.82
79.5	93	65.38	87.9	111	70.57	KENOSHA	0.3	0	0.00	0.4	0	0.00
221.9	275	69.26	288.2	286	55.47	KNOXVILLE	19.0	51	150.35	23.8	59	138.59
50.8	57	62.76	61.5	40	36.34	LAKE CHARLES	15.4	23	83.58	15.6	33	118.08
233.6	288	68.91	322.6	326	56.49	LANCASTER	2.5	7	159.18	2.4	9	213.37
202.9	236	65.00	257.7	313	67.89	LANSING	3.4	8	133.07	3.1	6	109.34
35.7	21	32.86	46.1	31	37.62	LAREDO	0.1	0	0.00	0.1	0	0.00
62.9	84	74.68	56.7	61	60.11	LAS VEGAS	4.0	7	98.65	3.3	12	202.57
37.1	44	66.24	43.2	47	60.80	LAWTON	3.8	3	44.10	4.1	4	54.73
78.4	73	52.07	108.6	86	44.26	LEXINGTON	18.0	28	86.73	20.5	27	73.67
83.0	138	92.90	102.6	155	84.43	LIMA	3.5	4	63.41	3.4	5	81.85
122.9	151	68.65	174.5	171	54.78	LINCOLN	1.6	3	102.95	1.4	0	0.00
138.5	146	58.92	180.4	174	53.93	LITTLE ROCK	42.9	75	97.79	48.6	98	112.75
137.2	172	70.08	158.5	170	59.96	LORAIN	6.4	6	52.80	6.2	13	116.82
4562.3	4088	50.09	6933.4	5456	46.68	LOS ANGELES	281.7	286	56.76	307.6	318	57.79

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
SUBARACHNOID AND CEREBRAL HEMORRHAGE (I.S.C. 330-331)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
438.9	532	67.76	625.9	621	55.46	LOUISVILLE	62.6	144	128.52	74.3	161	121.10
69.9	60	47.99	86.5	56	36.18	LUBBOCK	4.8	4	46.33	4.1	6	81.90
65.1	87	74.69	92.6	100	60.37	LYNCHBURG	16.8	47	156.77	19.9	52	145.83
62.3	81	72.64	91.7	119	67.07	MACON	27.2	92	188.83	42.1	125	166.00
153.4	153	55.75	201.5	192	53.27	MADISON	0.9	2	120.20	0.9	1	63.92
151.8	152	55.98	213.5	198	51.84	MANCHESTER	0.3	0	0.00	0.2	0	0.00
233.3	256	60.87	351.4	328	52.17	MEMPHIS	153.2	233	84.99	175.0	330	105.42
756.8	536	39.59	829.2	554	37.35	MIAMI	47.1	54	64.14	50.4	90	99.88
20.5	16	43.70	24.7	18	40.71	MIDLAND	2.1	2	54.42	2.1	1	26.35
871.2	776	49.79	1097.5	882	44.92	MILWAUKEE	21.8	22	56.46	20.2	26	71.91
1087.1	1138	58.51	1469.0	1548	59.72	MINNEAPOLIS	16.2	30	103.76	16.4	27	91.87
114.9	117	56.92	151.7	144	53.07	MOBILE	47.1	42	49.82	62.7	76	67.72
45.9	65	79.22	55.7	67	67.20	MONROE	24.0	52	121.09	27.0	44	91.17
56.3	63	62.52	87.4	87	55.66	MONTGOMERY	37.2	93	139.71	56.0	110	109.74
79.5	124	87.19	100.7	129	71.63	MUNCIE	4.1	6	81.19	3.9	4	57.76
95.8	128	74.68	111.4	150	75.29	MUSKEGON	5.0	6	67.43	4.6	15	181.82
212.1	287	75.65	310.2	354	63.79	NASHVILLE	52.1	132	141.52	64.5	191	165.43
1210.1	1007	46.52	1631.2	1329	45.54	NEWARK	101.2	145	80.06	127.5	178	78.04
531.8	503	52.87	677.3	590	48.69	NEW HAVEN	16.2	25	86.24	16.9	26	85.90
378.2	432	63.89	562.2	513	51.01	NEW ORLEANS	138.9	307	123.54	188.6	331	98.10
76.6	82	59.82	88.9	100	62.86	NEWPORT NEWS	32.6	61	104.58	32.7	58	99.21
8044.5	6036	41.96	10119.7	7577	41.85	NEW YORK	589.1	694	65.85	754.9	900	66.64
195.7	227	64.83	265.5	282	59.37	NORFOLK	77.5	217	156.45	89.6	268	167.27
27.4	16	32.66	29.2	20	38.33	ODESSA	1.3	5	212.81	1.4	4	160.49
67.8	51	42.06	77.7	52	37.41	OGDEN	2.1	3	81.62	1.1	1	49.46
325.1	437	75.14	428.9	434	56.56	OKLAHOMA CITY	27.4	23	46.96	28.9	39	75.55
327.9	351	59.83	416.8	410	54.09	OMAHA	17.2	24	78.00	19.8	25	70.45
220.8	215	54.42	262.6	200	42.[illegible]	ORLANDO	27.4	53	108.24	28.2	56	111.01
866.7	695	44.82	1111.5	860	43.25	PATERSON	18.0	26	80.53	22.7	65	110.85
81.2	83	57.17	98.8	103	59.27	PENSACOLA	17.8	37	116.22	22.1	41	103.56
221.5	205	51.73	286.3	250	48.81	PEORIA	5.2	11	118.75	5.6	6	59.51
2894.8	2565	49.53	3888.6	3204	46.06	PHILADELPHIA	366.9	423	64.44	436.3	583	74.69
411.4	326	44.30	443.9	323	40.67	PHOENIX	21.8	20	51.32	16.0	24	79.57
1879.1	2124	63.18	2204.2	2214	56.15	PITTSBURGH	115.9	227	109.47	112.9	260	128.71
127.0	150	66.02	178.8	219	68.48	PITTSFIELD	1.4	2	82.78	1.5	1	36.61
166.2	173	58.19	237.7	218	51.25	PORTLAND MAINE	0.5	1	106.40	0.6	1	93.09
770.4	949	68.86	944.9	1025	60.63	PORTLAND OREG.	15.9	27	95.02	11.2	13	65.09
615.8	565	51.29	843.4	724	47.99	PROVIDENCE	9.3	15	89.75	9.7	10	57.54
56.8	66	64.91	67.4	59	48.95	PROVO	0.2	0	0.00	0.1	0	0.00
99.4	64	35.99	116.1	71	34.17	PUEBLO	2.9	1	19.48	2.8	2	39.82
109.5	109	55.65	130.7	121	51.75	RACINE	1.4	2	- - -	1.3	3	129.10
71.3	83	65.03	97.1	87	50.08	RALEIGH	23.0	70	169.94	29.5	60	113.60
257.7	248	53.80	316.2	292	51.62	READING	2.7	5	104.03	2.8	3	59.71
62.6	62	55.32	61.7	72	65.23	RENO	2.0	1	28.58	1.4	2	82.61
204.1	211	57.78	318.3	337	59.18	RICHMOND	62.4	159	142.48	76.0	203	149.40
105.1	116	61.70	143.8	160	67.21	ROANOKE	13.6	18	74.00	16.3	33	113.49
498.8	435	48.75	675.3	595	49.25	ROCHESTER	8.1	17	117.97	8.8	17	108.13
149.9	128	47.73	185.6	157	47.28	ROCKFORD	3.1	9	162.03	3.6	6	92.05
310.6	224	40.31	345.4	269	43.53	SACRAMENTO	22.3	18	45.06	13.7	10	40.88
126.4	172	76.07	154.3	207	74.98	SAGINAW	6.1	20	184.36	6.2	20	179.41
102.2	129	70.54	138.3	188	76.01	ST. JOSEPH	3.3	6	103.18	4.2	16	212.13
1382.0	1289	52.13	1917.5	1654	48.22	ST. LOUIS	186.6	283	84.76	220.6	329	83.38
232.4	192	46.18	294.5	227	43.09	SALT LAKE CITY	4.8	3	35.14	2.5	2	45.22
48.0	36	41.96	59.2	46	43.42	SAN ANGELO	2.3	4	95.44	2.7	6	122.74
367.9	445	67.61	499.5	544	60.88	SAN ANTONIO	25.8	39	84.36	35.9	82	127.79
656.3	476	40.54	748.9	564	42.10	SAN BERNARDINO	20.1	18	49.99	19.4	25	72.17
628.7	536	47.48	814.7	663	45.49	SAN DIEGO	19.1	15	43.87	18.4	21	63.80
1970.7	1667	47.28	2597.1	2186	47.05	SAN FRANCISCO	164.4	201	68.34	135.7	158	65.10
374.5	287	42.84	501.9	395	43.99	SAN JOSE	12.3	19	86.18	8.7	13	83.92
123.3	104	47.14	167.2	138	46.14	SANTA BARBARA	4.1	7	96.51	2.9	9	173.67
65.4	108	92.24	97.9	127	72.53	SAVANNAH	33.9	128	211.13	46.5	323	388.58
214.5	221	57.59	284.0	297	58.46	SCRANTON	0.7	2	163.33	0.9	3	193.98
891.5	1015	63.64	1070.7	1179	61.55	SEATTLE	36.8	45	68.32	23.4	24	57.22
112.9	90	44.57	148.3	126	47.49	SHREVEPORT	67.9	134	110.38	84.0	163	108.43
105.1	115	61.18	122.7	116	52.83	SIOUX CITY	1.3	0	0.00	1.3	0	0.00
67.7	76	62.71	80.8	90	62.28	SIOUX FALLS	0.4	0	0.00	0.4	0	0.00
169.8	195	64.19	205.7	236	64.13	SOUTH BEND	7.1	8	62.79	6.9	16	130.05
266.1	327	68.68	301.9	375	69.44	SPOKANE	3.7	12	183.31	2.8	6	121.77
130.8	118	50.43	176.1	126	40.00	SPRINGFIELD I.	5.6	3	30.18	6.6	11	93.53
119.7	125	58.36	159.0	126	44.28	SPRINGFIELD MO	2.6	2	42.60	3.0	1	18.67
104.7	95	50.71	135.9	122	50.17	SPRINGFIELD O.	9.2	16	97.03	11.9	17	79.77
431.2	421	54.58	599.8	525	48.92	SPRINGFIELD MA	6.2	4	36.21	7.7	4	29.00
132.1	161	68.11	136.4	185	75.84	STEUBENVILLE	4.9	13	147.68	4.7	14	168.18
209.3	213	56.89	208.7	201	53.84	STOCKTON	24.3	24	55.21	10.3	14	75.98
454.7	444	54.59	585.0	585	55.90	SYRACUSE	5.6	8	79.45	6.0	14	130.36
264.1	314	66.46	303.1	348	64.18	TACOMA	4.9	6	68.03	3.9	2	28.69
988.9	898	50.76	1074.8	889	46.23	TAMPA	49.0	117	133.43	53.7	149	155.23
105.5	136	71.00	134.1	172	71.68	TERRE HAUTE	4.6	10	121.30	5.2	11	117.80
64.1	78	67.97	76.6	81	59.11	TEXARKANA	20.5	34	92.66	22.5	42	104.48
348.9	280	44.96	452.0	401	49.59	TOLEDO	23.4	31	74.16	25.0	34	76.05
107.1	92	48.02	149.0	152	57.03	TOPEKA	8.5	12	78.51	9.1	10	61.67
190.6	158	46.35	245.4	192	43.73	TRENTON	15.3	14	51.31	15.9	26	91.13
160.7	107	37.22	186.7	126	37.71	TUCSON	10.2	6	32.82	9.1	4	24.66
277.1	385	77.67	351.7	386	61.35	TULSA	28.0	44	87.88	32.3	39	67.54
56.1	55	54.81	69.3	52	41.96	TUSCALOOSA	19.2	53	153.96	21.4	61	159.32
50.4	57	63.24	63.5	50	44.01	TYLER	17.0	26	85.66	18.9	30	88.52
311.1	333	59.83	391.9	418	59.62	UTICA	2.2	1	25.48	1.9	2	57.79
103.8	124	66.79	133.6	149	62.36	WACO	19.4	28	80.81	23.3	34	81.70
828.5	678	45.74	1278.3	898	39.27	WASHINGTON	237.3	293	69.01	292.5	376	71.86
90.3	109	67.45	115.6	145	70.09	WATERLOO	2.3	6	144.18	2.2	6	154.18
212.9	144	37.80	236.1	128	30.30	W. PALM BEACH	27.6	78	158.01	21.2	54	142.23
195.5	280	80.05	233.8	295	70.54	WHEELING	5.2	13	139.43	4.8	15	176.27
191.1	160	46.80	259.2	195	42.04	WICHITA	10.2	18	99.01	10.4	23	124.08
80.8	82	56.75	98.6	105	59.55	WICHITA FALLS	5.0	1	11.08	5.2	13	139.02
304.4	271	49.76	402.5	406	56.38	WILKES-BARRE	0.9	0	0.00	0.9	1	60.73
219.8	198	50.34	285.7	202	39.52	WILMINGTON	27.6	35	70.88	27.0	43	89.11
77.6	72	51.87	107.3	115	59.90	WINSTON-SALEM	23.2	50	120.67	31.3	65	116.04
540.6	507	52.42	731.6	669	51.11	WORCESTER	2.9	6	116.19	3.1	3	54.69
198.7	224	63.03	244.8	269	61.43	YORK	2.7	1	20.70	3.0	13	244.28
375.9	494	67.57	418.6	405	60.13	YOUNGSTOWN	27.1	43	88.66	24.6	56	128.48
76600.6	74892	54.65	99118.2	90031	50.77	TOTAL 201 SMSA	6874.0	11642	94.67	7830.2	13015	99.33

ALL AGE STANDARD RATE = 55.90

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CEREBRAL EMBOLISM AND THROMBOSIS (I.S.C. 332)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
43.5	17	12.41	57.6	19	10.48	ABILENE	1.7	2	36.81	1.9	0	0.00
186.2	226	38.58	237.7	205	27.56	AKRON	9.4	20	67.79	10.4	20	61.44
9.1	17	59.45	12.8	14	34.77	ALBANY GA	7.7	14	58.10	11.4	18	50.26
329.3	344	33.21	464.4	386	26.43	ALBANY NY	4.6	8	55.35	5.3	4	24.22
59.0	51	27.49	72.6	49	21.45	ALBUQUERQUE	1.5	3	62.68	1.5	2	42.38
237.9	296	39.56	313.6	306	31.02	ALLENTOWN	1.3	2	50.68	1.4	3	68.30
78.9	106	42.72	103.5	106	32.56	ALTOONA	0.5	1	65.99	0.6	1	51.89
38.0	27	22.61	51.4	40	24.75	AMARILLO	1.6	3	61.07	1.7	1	18.68
52.6	45	27.21	79.7	77	30.72	ANN ARBOR	2.9	0	0.00	3.4	4	37.65
56.3	92	51.99	74.7	107	45.53	ASHEVILLE	6.2	10	51.42	8.0	14	55.57
231.6	298	40.91	372.7	361	30.79	ATLANTA	59.4	64	34.25	86.6	48	17.62
88.3	67	24.12	117.0	62	16.84	ATLANTIC CITY	14.5	13	28.54	16.9	8	15.09
37.2	65	55.52	58.2	84	45.90	AUGUSTA	19.9	34	54.21	27.6	47	54.18
66.3	50	23.98	94.4	63	21.22	AUSTIN	11.4	7	19.54	15.4	8	16.48
92.9	106	36.26	98.8	107	34.42	BAKERSFIELD	7.6	16	66.68	4.8	5	33.38
499.6	344	21.89	746.3	410	17.47	BALTIMORE	94.3	104	35.08	111.6	102	29.07
33.8	27	25.39	51.1	29	18.03	BATON ROUGE	23.2	17	23.30	28.3	15	16.85
42.3	45	33.78	53.5	38	22.57	BAY CITY	0.2	0	0.00	0.2	1	166.32
70.6	76	34.25	91.7	84	29.12	BEAUMONT	18.3	20	34.70	18.4	12	20.77
30.5	23	23.95	33.5	29	27.54	BILLINGS	0.3	0	0.00	0.3	0	0.00
97.8	88	28.61	135.2	156	36.69	BINGHAMTON	0.7	2	88.76	0.6	0	0.00
151.4	198	41.59	215.1	238	35.18	BIRMINGHAM	74.2	120	51.43	96.3	134	44.22
1486.0	1558	33.34	2277.9	2249	31.39	BOSTON	30.1	28	29.62	36.2	40	35.16
278.8	332	37.86	381.1	349	29.12	BRIDGEPORT	7.2	10	43.94	8.4	10	37.66
130.7	156	37.94	185.4	196	33.61	BROCKTON	3.2	2	19.87	2.0	0	0.00
42.7	43	32.01	49.9	20	12.74	BROWNSVILLE	0.5	2	133.91	0.3	1	- - -
529.6	794	47.67	696.5	837	38.21	BUFFALO	17.7	36	64.78	17.7	40	71.81
155.0	185	37.95	194.7	211	34.46	CANTON	5.0	8	50.83	4.9	7	45.27
64.6	62	30.52	90.8	73	25.55	CEDAR RAPIDS	0.5	1	61.77	0.7	0	0.00
39.9	39	31.04	57.7	43	23.71	CHAMPAIGN	1.7	5	93.63	1.7	3	56.58
29.6	47	50.42	47.3	61	41.03	CHARLESTON SC	13.9	24	54.75	23.5	36	48.64
82.9	85	32.58	99.9	65	20.69	CHARLESTON WVA	7.1	8	35.96	7.3	1	4.36
54.7	88	51.18	88.8	72	25.77	CHARLOTTE	14.7	34	73.42	19.8	46	74.02
86.8	168	61.53	118.0	149	40.13	CHATTANOOGA	16.8	26	49.20	22.0	37	53.46
2238.8	2235	31.74	2951.2	2476	26.67	CHICAGO	220.9	301	43.33	265.2	382	45.79
420.2	525	39.72	643.0	660	32.64	CINCINNATI	45.1	63	44.43	48.9	76	49.39
662.5	803	38.54	874.6	862	31.33	CLEVELAND	64.2	100	49.52	76.3	74	30.82
50.4	57	35.98	76.6	66	27.38	COLORADO SPRGS	1.0	1	31.98	1.6	2	38.67
49.5	77	49.44	78.3	74	30.06	COLUMBIA	18.5	38	65.25	25.1	34	43.13
30.9	20	29.82	50.0	41	26.05	COLUMBUS GA	14.4	30	66.23	22.7	26	36.47
223.0	284	40.49	333.8	301	28.67	COLUMBUS OHIO	27.3	35	40.82	30.0	30	31.75
50.4	26	16.41	60.9	33	17.23	CORPUS CHRISTI	2.2	5	72.20	3.0	3	31.46
308.4	248	25.57	461.5	303	20.88	DALLAS	47.7	37	24.67	51.2	24	14.89
128.3	154	38.15	169.3	169	31.74	DAVENPORT	2.0	4	63.81	1.8	5	89.94
230.7	334	46.03	312.5	339	34.49	DAYTON	19.4	52	85.25	20.6	35	54.14
56.1	50	28.34	77.7	81	33.16	DECATUR	1.7	3	55.04	1.9	6	102.99
351.8	252	22.77	500.1	377	23.97	DENVER	11.7	6	16.27	13.8	10	23.12
114.4	145	40.31	168.2	185	34.97	DES MOINES	4.6	9	62.09	5.4	10	58.61
1147.5	1290	35.74	1382.8	1348	30.99	DETROIT	124.8	264	67.25	142.1	276	61.76
38.5	62	51.25	60.1	88	46.53	DUBUQUE	0.0	0	0.00	0.0	3	- - -
165.5	136	26.13	166.0	121	23.17	DULUTH	0.8	3	113.16	0.6	0	0.00
23.8	44	58.66	38.7	52	42.69	DURHAM	9.7	18	59.16	12.9	18	44.35
65.6	73	35.39	88.8	85	30.45	EL PASO	1.9	3	49.11	1.5	1	21.01
112.6	136	38.41	144.0	152	33.55	ERIE	1.4	3	68.80	1.5	3	62.95
68.2	91	42.43	76.3	94	39.15	EUGENE	0.2	0	0.00	0.1	0	0.00
88.4	76	27.34	124.8	96	24.45	EVANSVILLE	7.3	9	39.26	7.6	3	12.60
201.7	206	32.48	300.6	278	29.40	FALL RIVER	2.7	4	46.76	2.3	2	27.96
45.8	54	37.47	52.2	29	17.68	FARGO	0.0	0	0.00	0.1	0	0.00
112.7	152	42.90	139.0	146	33.40	FLINT	5.2	8	49.09	6.2	13	66.97
165.2	155	29.84	170.3	110	20.53	FT. LAUDERDALE	8.3	8	30.71	8.7	12	43.96
33.0	44	42.45	43.9	32	23.20	FORT SMITH	2.5	7	87.60	3.0	14	146.69
88.9	74	26.47	125.7	88	22.25	FORT WAYNE	2.1	1	14.84	2.6	1	12.22
177.1	136	24.42	248.3	141	18.06	FORT WORTH	20.1	11	17.38	23.5	25	33.77
141.3	184	41.39	161.1	185	36.50	FRESNO	14.3	18	39.95	7.9	8	32.40
30.9	43	44.28	39.8	57	45.55	GADSDEN	4.3	8	55.68	5.5	6	34.99
35.8	42	37.26	44.1	26	18.73	GALVESTON	8.9	24	86.17	9.5	11	36.70
162.7	166	32.44	172.8	144	26.50	GARY	19.0	28	46.82	19.5	24	39.15
154.0	156	32.20	212.8	198	29.59	GRAND RAPIDS	3.8	6	33.71	4.1	3	23.54
30.0	14	14.85	30.0	14	14.83	GREAT FALLS	0.3	0	0.00	0.3	0	0.00
49.9	44	28.01	63.0	46	23.23	GREEN BAY	0.5	0	0.00	0.6	0	0.00
57.9	101	55.50	84.3	141	53.18	GREENSBORO	11.8	21	56.39	14.8	21	45.15
49.5	68	43.68	72.4	54	23.71	GREENVILLE	9.4	13	44.08	12.6	9	22.64
68.7	46	21.29	91.2	48	16.73	HAMILTON	3.3	1	9.55	3.2	1	10.06
148.7	165	35.29	215.5	179	26.42	HARRISBURG	7.0	10	45.36	8.6	13	47.89
283.7	346	38.77	382.2	446	37.10	HARTFORD	6.1	9	46.92	7.6	13	54.53
28.1	32	36.25	36.8	43	37.12	HONOLULU	90.8	74	25.91	71.4	54	24.04
263.4	266	32.11	362.9	290	25.41	HOUSTON	60.1	83	43.88	71.9	88	38.92
119.2	133	35.48	143.7	129	28.54	HUNTINGTON	5.0	9	57.30	4.8	6	40.08
22.7	26	36.41	29.7	42	45.01	HUNTSVILLE	7.2	7	30.78	8.9	3	10.76
238.9	241	32.07	352.7	331	29.84	INDIANAPOLIS	36.7	46	39.87	41.6	62	47.43
57.5	66	36.51	77.3	78	32.08	JACKSON MICH	2.1	0	0.00	1.6	2	39.50
33.1	25	24.01	52.9	50	30.03	JACKSON MISS	24.3	25	32.69	30.2	28	29.52
100.3	136	43.10	145.3	151	33.04	JACKSONVILLE	30.5	39	40.70	38.0	42	35.12
275.2	268	30.97	355.2	276	24.71	JERSEY CITY	8.2	5	19.38	10.2	12	37.24
148.7	120	25.65	162.5	129	25.24	JOHNSTOWN	1.3	0	0.00	1.2	3	76.54
66.9	64	30.42	91.6	51	17.71	KALAMAZOO	1.8	0	0.00	1.9	1	16.69
401.8	414	32.76	582.0	511	27.92	KANSAS CITY	51.3	74	45.83	57.0	75	41.83
44.5	38	27.12	50.6	27	16.96	KENOSHA	0.2	1	199.29	0.2	0	0.00
121.5	158	41.35	165.2	185	35.62	KNOXVILLE	10.5	12	36.21	13.5	13	30.52
25.9	24	29.45	33.8	20	18.80	LAKE CHARLES	8.5	4	14.89	8.6	6	22.07
135.9	130	30.41	197.1	149	24.03	LANCASTER	1.4	1	23.16	1.3	2	48.55
114.8	128	35.45	152.9	122	25.38	LANSING	1.7	1	18.80	1.6	4	81.53
19.8	24	38.61	26.3	14	16.96	LAREDO	0.0	0	0.00	0.1	0	0.00
30.6	23	23.86	28.6	17	18.90	LAS VEGAS	1.8	0	0.00	1.5	4	85.13
20.1	8	12.68	24.6	11	14.22	LAWTON	2.0	1	15.91	2.2	1	14.18
43.9	39	28.22	64.8	48	23.56	LEXINGTON	10.4	10	30.43	12.0	16	42.31
48.2	39	25.72	61.5	44	22.74	LIMA	1.8	3	53.03	1.9	5	85.03
71.7	75	33.26	106.8	113	33.64	LINCOLN	0.9	0	0.00	0.8	0	0.00
77.2	85	35.03	105.7	75	22.56	LITTLE ROCK	25.3	36	45.27	28.5	56	62.40
76.0	69	28.87	91.7	70	24.27	LORAIN	3.4	5	46.77	3.4	2	18.58
2533.3	3658	43.40	3872.9	4693	38.20	LOS ANGELES	144.7	243	53.40	161.7	289	56.83

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CEREBRAL EMBOLISM AND THROMBOSIS (I.S.C. 332)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
244.0	364	47.42	370.9	449	38.49	LOUISVILLE	35.3	78	70.32	42.8	70	52.05
36.9	45	38.76	48.2	60	39.54	LUBBOCK	2.5	4	51.81	2.0	3	47.43
36.9	51	43.91	55.2	65	37.43	LYNCHBURG	9.7	10	32.93	11.7	9	24.56
32.2	48	47.34	51.9	64	39.23	MACON	14.6	27	58.66	23.9	29	38.53
87.0	95	34.70	120.0	87	23.04	MADISON	0.5	3	203.58	0.5	0	0.00
86.7	127	46.59	128.1	119	29.54	MANCHESTER	0.2	0	0.00	0.1	0	0.00
125.3	267	67.72	204.7	284	44.10	MEMPHIS	87.4	156	56.76	100.3	181	57.38
425.9	367	27.40	460.9	336	22.74	MIAMI	21.9	45	65.38	24.1	27	35.64
9.5	11	36.96	12.6	9	22.75	MIDLAND	0.9	0	0.00	1.0	2	64.02
481.3	662	43.73	636.9	748	37.34	MILWAUKEE	10.6	31	92.85	9.7	35	114.55
614.5	666	34.46	857.8	761	28.21	MINNEAPOLIS	8.8	6	21.68	9.2	10	34.49
60.4	78	41.06	85.9	76	28.12	MOBILE	24.9	46	58.63	34.9	34	30.94
25.5	14	17.48	31.9	11	10.95	MONROE	14.2	5	11.22	15.7	0	0.00
29.7	44	47.05	50.7	45	28.19	MONTGOMERY	20.9	40	60.81	32.9	61	58.97
45.4	78	54.59	59.9	56	29.71	MUNCIE	2.3	5	68.12	2.1	5	74.93
53.2	45	26.88	64.2	49	24.26	MUSKEGON	2.4	8	106.04	2.3	4	55.77
117.3	88	23.86	182.5	137	23.86	NASHVILLE	29.3	39	42.36	36.6	65	56.45
666.0	610	29.12	952.4	828	27.64	NEWARK	50.9	83	51.86	67.2	90	42.59
301.0	340	35.91	399.7	388	30.86	NEW HAVEN	8.8	5	17.99	9.1	16	56.21
200.3	177	28.10	324.0	198	19.43	NEW ORLEANS	73.7	90	38.94	105.6	77	23.18
39.0	43	35.02	49.0	33	21.42	NEWPORT NEWS	17.0	19	35.44	17.5	22	40.08
4421.0	3296	23.70	5778.0	4132	22.74	NEW YORK	291.7	284	30.96	388.3	327	26.78
100.2	126	39.96	149.1	164	34.97	NORFOLK	41.0	86	66.73	48.4	87	57.13
11.9	17	45.36	13.9	11	25.08	ODESSA	0.6	0	0.00	0.6	0	0.00
37.5	35	29.65	44.4	41	29.33	OGDEN	1.2	3	81.36	0.6	1	57.76
181.1	195	34.24	251.0	229	29.01	OKLAHOMA CITY	15.4	12	24.84	15.8	12	24.14
185.4	214	36.70	246.1	245	31.65	OMAHA	9.7	18	59.16	11.6	17	46.75
127.6	106	26.42	155.3	106	21.70	ORLANDO	14.5	11	24.15	15.2	12	25.05
470.9	479	32.34	636.7	589	29.41	PATERSON	9.0	6	21.29	11.6	10	27.31
42.9	49	36.35	55.3	72	41.42	PENSACOLA	9.7	14	45.75	12.2	10	26.03
125.1	112	28.47	170.3	139	25.95	PEORIA	2.8	2	22.37	3.1	2	20.45
1606.4	1595	31.57	2278.2	2038	28.44	PHILADELPHIA	192.2	256	42.35	235.8	307	41.39
224.4	223	31.59	247.0	199	25.61	PHOENIX	12.0	12	31.74	9.0	14	49.43
1056.7	1270	38.21	1276.9	1301	32.39	PITTSBURGH	62.8	117	59.23	61.7	102	52.55
73.4	83	35.94	108.8	89	26.01	PITTSFIELD	0.8	1	38.76	0.9	1	34.08
97.3	110	35.93	146.1	180	39.17	PORTLAND MAINE	0.3	2	217.00	0.4	1	88.24
445.9	577	41.14	566.0	599	33.65	PORTLAND OREG.	8.6	11	40.68	5.7	5	27.88
349.9	350	31.81	501.0	424	26.91	PROVIDENCE	5.3	10	59.85	5.6	7	39.92
31.3	19	19.32	38.8	25	20.50	PROVO	0.1	0	0.00	0.1	0	0.00
57.9	36	19.76	70.3	47	21.27	PUEBLO	1.8	0	0.00	1.7	2	37.46
62.1	59	30.21	76.8	66	27.32	RACINE	0.6	2	- - -	0.6	0	0.00
38.1	40	33.37	55.1	52	30.00	RALEIGH	12.5	12	30.50	16.7	16	30.48
146.8	221	47.87	185.9	258	44.12	READING	1.4	0	0.00	1.5	7	147.85
34.2	40	37.18	34.4	28	25.89	RENO	1.0	0	0.00	0.7	0	0.00
111.4	128	36.53	187.2	155	26.33	RICHMOND	33.6	121	114.49	41.6	69	52.74
58.5	62	33.72	84.7	83	31.16	ROANOKE	7.3	10	43.36	9.1	11	38.60
285.1	266	29.67	405.4	341	26.74	ROCHESTER	3.8	6	49.56	4.4	5	36.23
83.8	85	32.26	109.0	118	34.41	ROCKFORD	1.5	0	0.00	1.9	3	49.47
169.7	127	23.80	197.6	159	25.59	SACRAMENTO	11.9	8	21.39	6.8	7	32.86
71.2	79	35.28	90.8	70	24.51	SAGINAW	2.7	2	23.57	3.1	3	31.13
61.3	50	25.94	85.4	58	21.59	ST. JOSEPH	2.0	1	16.00	2.6	2	24.17
772.9	748	30.77	1133.9	913	25.60	ST. LOUIS	102.9	202	62.41	123.8	219	56.25
129.0	109	26.86	171.8	147	27.21	SALT LAKE CITY	2.8	0	0.00	1.3	1	24.89
27.3	37	43.06	34.8	53	48.36	SAN ANGELO	1.3	2	48.67	1.5	1	21.00
201.4	149	23.53	289.2	159	17.48	SAN ANTONIO	13.8	17	39.20	20.4	13	20.24
378.1	418	35.15	442.0	457	32.88	SAN BERNARDINO	10.6	18	53.83	10.8	12	35.23
348.7	410	37.39	477.4	473	31.50	SAN DIEGO	9.3	9	30.80	9.3	17	58.04
1095.1	1139	33.07	1527.8	1471	30.61	SAN FRANCISCO	80.4	109	43.08	66.4	70	33.52
206.2	210	32.38	294.6	245	26.44	SAN JOSE	6.6	15	72.09	4.5	1	7.07
69.9	74	33.67	99.9	79	25.14	SANTA BARBARA	2.1	1	15.35	1.6	1	20.12
34.4	71	65.63	56.0	62	35.18	SAVANNAH	17.9	42	74.44	25.7	36	44.56
121.0	130	34.16	165.3	164	31.54	SCRANTON	0.4	2	169.59	0.5	0	0.00
510.3	639	39.82	634.4	611	30.62	SEATTLE	20.1	18	28.48	12.3	16	41.36
61.3	62	32.15	84.8	62	23.24	SHREVEPORT	39.7	37	29.63	49.6	41	26.29
62.2	70	35.80	73.7	78	33.67	SIOUX CITY	0.7	0	0.00	0.8	0	0.00
39.0	27	22.00	47.6	24	16.03	SIOUX FALLS	0.2	0	0.00	0.3	0	0.00
94.9	142	47.60	119.2	148	39.48	SOUTH BEND	3.7	7	59.89	3.5	2	17.94
157.8	110	22.16	182.7	87	15.14	SPOKANE	2.0	2	31.23	1.5	3	62.82
76.0	122	51.06	105.8	135	40.56	SPRINGFIELD I.	3.3	4	38.53	3.9	8	64.64
71.0	73	32.69	97.3	85	27.78	SPRINGFIELD MO	1.6	0	0.00	1.8	0	0.00
61.4	88	45.55	82.7	100	38.43	SPRINGFIELD O.	5.2	6	36.46	7.0	12	54.18
244.8	276	35.85	358.8	350	31.02	SPRINGFIELD MA	3.2	9	89.72	4.2	5	37.73
74.4	58	24.77	78.2	51	20.73	STEUBENVILLE	2.6	2	24.15	2.5	1	12.84
120.1	111	29.40	122.1	79	20.57	STOCKTON	13.1	8	19.48	5.4	3	17.71
260.1	337	41.19	351.0	452	40.94	SYRACUSE	2.8	5	56.18	3.2	1	9.82
152.9	145	30.15	180.7	122	21.47	TACOMA	2.3	3	40.89	1.9	0	0.00
598.6	653	34.69	647.4	597	29.32	TAMPA	26.3	38	45.99	29.1	49	53.50
62.2	64	32.72	81.2	61	23.87	TERRE HAUTE	2.7	4	47.67	3.1	0	0.00
36.8	21	18.14	45.3	25	17.56	TEXARKANA	12.1	16	41.97	13.3	15	35.90
196.3	222	35.95	267.4	259	30.79	TOLEDO	12.4	28	71.92	13.5	14	32.98
62.4	84	42.82	90.9	100	34.98	TOPEKA	5.1	9	56.55	5.3	8	48.33
105.3	106	32.00	142.8	113	25.16	TRENTON	7.7	13	53.78	8.3	11	42.04
87.0	104	38.02	103.8	83	25.42	TUCSON	5.7	5	28.08	5.0	9	57.13
155.3	135	27.64	204.6	121	18.80	TULSA	16.0	13	25.81	18.6	12	20.47
31.2	23	23.42	40.5	24	18.82	TUSCALOOSA	11.2	8	22.77	12.1	7	18.38
28.2	24	27.06	37.0	24	20.64	TYLER	9.7	2	6.54	10.9	4	11.64
181.8	122	21.33	238.1	146	19.49	UTICA	1.1	0	0.00	1.0	0	0.00
59.0	72	38.79	79.6	87	34.77	WACO	11.3	14	39.44	13.8	24	55.11
431.2	501	36.94	733.2	748	32.43	WASHINGTON	121.5	210	54.96	157.7	249	50.19
51.9	57	34.92	69.3	66	30.27	WATERLOO	1.2	2	51.36	1.2	0	0.00
125.0	149	37.89	139.0	134	30.65	W. PALM BEACH	14.2	17	38.05	10.6	21	62.97
115.2	125	34.51	141.6	114	25.39	WHEELING	3.1	1	10.10	2.9	2	22.29
104.6	80	24.31	150.9	106	22.33	WICHITA	5.5	5	28.66	5.6	9	50.84
45.1	51	35.92	56.9	37	20.68	WICHITA FALLS	2.7	3	35.16	2.8	1	[illegible]
168.3	126	23.80	231.9	162	22.21	WILKES-BARRE	0.5	1	67.39	0.5	0	0.00
120.6	116	30.59	166.1	149	28.52	WILMINGTON	14.9	29	62.05	14.6	22	47.98
40.9	72	55.94	60.3	74	39.03	WINSTON-SALEM	12.0	40	105.94	16.9	45	84.67
312.7	239	24.20	443.4	347	24.88	WORCESTER	1.7	1	18.88	1.8	1	17.22
113.4	121	33.92	144.6	133	29.24	YORK	1.4	0	0.00	1.6	0	0.00
211.9	221	33.16	242.0	243	31.93	YOUNGSTOWN	14.4	18	39.85	12.7	16	39.99
42598.6	45088	33.65	57858.9	52671	28.94	TOTAL 201 SMSA	3626.0	5184	45.46	4240.5	5401	40.90

ALL AGE STANDARD RATE = 31.79

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
OTHER VASCULAR LESIONS AFFECTING CENTRAL NERVOUS SYSTEM (I.S.C. 333-334)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
11.7	9	6.48	15.5	11	6.96	ABILENE	0.5	1	18.03	0.5	2	31.70
48.0	37	6.49	62.9	34	4.55	AKRON	2.5	3	10.23	2.8	1	3.03
2.5	1	3.41	3.4	2	4.90	ALBANY GA	2.1	2	7.97	3.0	5	13.81
96.3	64	6.25	124.2	104	7.05	ALBANY NY	1.2	2	13.67	1.4	2	11.86
15.7	28	14.99	19.5	18	7.77	ALBUQUERQUE	0.4	0	0.00	0.4	1	19.73
62.1	76	10.31	83.5	84	8.47	ALLENTOWN	0.3	0	0.00	0.4	0	0.00
20.7	19	7.71	27.6	31	9.46	ALTOONA	0.1	0	0.00	0.2	0	0.00
10.1	16	11.67	13.8	16	9.73	AMARILLO	0.4	0	0.00	0.5	0	0.00
14.0	10	6.00	21.8	15	5.79	ANN ARBOR	0.8	0	0.00	0.9	0	0.00
14.8	25	14.18	20.1	16	6.71	ASHEVILLE	1.6	4	31.35	2.2	8	31.28
61.1	63	8.69	99.9	82	6.91	ATLANTA	15.9	55	29.15	23.3	97	35.01
23.0	11	4.02	31.1	14	3.80	ATLANTIC CITY	3.8	3	6.70	4.4	1	1.90
9.8	9	7.72	15.6	22	11.85	AUGUSTA	5.4	6	9.29	7.4	18	20.55
17.7	21	9.97	25.6	27	8.87	AUSTIN	3.1	2	5.42	4.2	8	16.01
24.5	27	9.27	26.4	25	7.90	BAKERSFIELD	2.0	5	21.32	1.3	1	6.60
130.3	108	6.99	198.9	162	6.96	BALTIMORE	24.9	39	13.20	30.1	48	13.45
9.0	3	2.79	13.8	7	4.27	BATON ROUGE	6.3	2	2.66	7.7	7	7.67
11.2	3	2.25	14.3	15	8.81	BAY CITY	0.1	0	0.00	0.1	0	0.00
18.5	30	13.69	24.6	28	9.60	BEAUMONT	4.9	10	17.33	4.9	10	17.22
8.1	3	3.12	9.0	6	5.64	BILLINGS	0.1	0	0.00	0.1	0	0.00
25.7	25	8.19	34.6	29	6.71	BINGHAMTON	0.2	0	0.00	0.2	0	0.00
34.8	67	14.19	57.3	62	9.12	BIRMINGHAM	19.5	66	28.56	25.7	80	26.18
391.3	353	7.60	613.5	460	6.31	BOSTON	8.0	7	7.35	9.8	5	4.30
73.1	75	8.64	101.9	94	7.77	BRIDGEPORT	2.0	3	12.85	2.3	4	14.77
34.9	21	5.07	50.4	39	6.52	BROCKTON	0.9	1	9.79	0.5	1	15.35
11.5	13	9.49	13.6	5	3.10	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
137.9	119	7.21	185.0	106	4.83	BUFFALO	4.7	6	10.80	4.8	2	3.53
40.9	38	7.82	52.3	38	6.12	CANTON	1.3	1	6.40	1.3	2	12.84
17.2	9	4.40	24.7	21	7.17	CEDAR RAPIDS	0.1	0	0.00	0.2	0	0.00
10.9	12	9.30	15.7	14	7.53	CHAMPAIGN	0.5	0	0.00	0.4	1	19.18
7.9	8	8.54	12.8	10	6.60	CHARLESTON SC	3.7	10	22.50	6.4	15	19.88
22.0	27	10.36	26.4	25	7.91	CHARLESTON WVA	1.8	3	13.71	1.9	7	31.17
14.4	15	8.78	23.9	23	8.11	CHARLOTTE	3.9	8	17.12	5.4	7	10.99
23.0	51	18.71	31.4	59	15.83	CHATTANOOGA	4.4	15	28.63	5.8	9	12.97
577.6	418	6.09	778.5	489	5.29	CHICAGO	58.4	34	4.90	71.2	39	4.61
110.6	111	8.45	172.7	153	7.46	CINCINNATI	12.0	15	10.55	13.0	13	8.44
171.5	164	8.05	230.8	212	7.74	CLEVELAND	16.9	20	9.97	20.5	19	7.82
13.6	12	7.42	21.0	25	10.01	COLORADO SPRGS	0.3	0	0.00	0.5	0	0.00
13.1	13	8.38	21.1	17	6.78	COLUMBIA	4.9	4	6.84	6.7	3	3.76
8.2	10	10.22	13.5	10	6.26	COLUMBUS GA	3.9	19	41.34	6.1	27	37.42
59.3	49	6.96	90.3	85	7.93	COLUMBUS OHIO	7.2	8	9.33	8.0	7	7.37
13.4	11	6.91	14.5	16	8.17	CORPUS CHRISTI	0.6	0	0.00	0.8	0	0.00
81.5	101	10.44	124.0	112	7.61	DALLAS	12.8	11	7.22	13.8	20	12.18
33.8	28	6.97	45.5	41	7.57	DAVENPORT	0.5	1	15.82	0.5	1	18.10
61.3	61	8.37	84.1	106	10.62	DAYTON	5.2	11	17.94	5.5	7	10.68
15.0	15	8.40	21.1	25	10.00	DECATUR	0.5	3	53.52	0.5	2	33.81
93.8	85	7.63	135.6	133	8.26	DENVER	3.1	5	13.45	3.8	1	2.26
30.2	26	7.25	45.4	41	7.61	DES MOINES	1.2	2	13.67	1.5	0	0.00
294.2	222	6.36	364.5	259	5.98	DETROIT	32.6	29	7.50	37.9	27	5.99
10.3	31	25.23	16.5	51	26.07	DUBUQUE	0.0	0	0.00	0.0	0	0.00
43.4	44	8.53	44.0	35	6.70	DULUTH	0.2	0	0.00	0.2	0	0.00
6.3	5	6.72	10.4	6	4.87	DURHAM	2.6	6	19.76	3.5	1	2.43
17.7	25	11.89	24.0	40	14.02	EL PASO	0.5	0	0.00	0.4	1	20.19
29.8	35	9.88	39.6	44	9.60	ERIE	0.4	0	0.00	0.4	1	19.99
18.2	7	3.25	20.6	20	8.19	EUGENE	0.0	0	0.00	0.0	0	0.00
23.4	36	12.96	33.6	32	8.02	EVANSVILLE	1.9	3	12.98	2.0	1	4.17
53.0	29	4.61	80.3	36	3.78	FALL RIVER	0.7	0	0.00	0.6	0	0.00
12.1	12	8.37	14.0	10	6.02	FARGO	0.0	0	0.00	0.0	0	0.00
29.7	20	5.67	37.4	34	7.67	FLINT	1.4	0	0.00	1.7	0	0.00
41.4	27	5.49	43.4	21	4.07	FT. LAUDERDALE	2.3	4	14.75	2.4	3	10.60
8.8	13	12.43	11.8	14	10.03	FORT SMITH	0.7	1	12.12	0.8	0	0.00
23.4	51	18.34	33.8	43	10.72	FORT WAYNE	0.6	3	43.52	0.7	1	11.78
46.9	93	16.70	66.8	97	12.24	FORT WORTH	5.4	25	39.22	6.4	26	34.34
37.3	47	10.60	43.3	39	7.59	FRESNO	3.8	6	13.18	2.1	7	28.47
8.1	11	11.37	10.6	6	4.77	GADSDEN	1.1	2	14.69	1.5	2	11.56
9.3	12	10.87	11.8	22	15.73	GALVESTON	2.3	8	29.12	2.5	14	46.76
42.3	32	6.38	49.8	41	7.56	GARY	5.0	13	21.87	5.3	6	9.59
40.7	80	16.57	57.3	83	12.20	GRAND RAPIDS	1.0	2	16.63	1.1	2	15.18
7.9	16	14.83	8.0	9	9.52	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
13.3	10	6.35	16.8	17	8.52	GREEN BAY	0.1	0	0.00	0.2	0	0.00
15.2	17	9.42	22.5	24	8.96	GREENSBORO	3.1	9	24.21	4.0	14	29.70
13.0	10	6.47	19.2	25	10.96	GREENVILLE	2.5	3	10.01	3.4	3	7.41
18.4	18	8.23	24.8	17	5.78	HAMILTON	0.9	1	9.36	0.8	0	0.00
39.2	26	5.59	58.0	39	5.67	HARRISBURG	1.8	1	4.56	2.3	2	7.22
74.2	50	5.69	102.2	87	7.17	HARTFORD	1.7	2	10.17	2.1	1	4.10
7.6	7	7.71	10.0	12	10.07	HONOLULU	24.5	16	5.50	19.3	9	3.93
69.4	92	11.16	97.1	89	7.72	HOUSTON	16.1	35	18.34	19.6	32	13.76
31.8	51	13.52	38.6	45	9.83	HUNTINGTON	1.4	3	18.58	1.3	3	20.16
6.1	16	19.33	8.0	19	19.90	HUNTSVILLE	2.0	6	25.87	2.4	6	21.02
63.2	62	8.27	94.6	77	6.86	INDIANAPOLIS	9.7	28	24.26	11.2	21	15.83
15.3	22	12.13	21.0	26	10.46	JACKSON MICH	0.6	4	59.61	0.4	1	19.47
8.8	13	12.40	14.3	18	10.60	JACKSON MISS	6.6	7	8.97	8.3	14	14.22
26.5	37	11.78	38.9	50	10.81	JACKSONVILLE	8.1	26	27.11	10.1	39	32.42
70.3	61	7.31	92.5	71	6.47	JERSEY CITY	2.2	2	7.72	2.8	7	21.35
39.2	45	9.67	43.3	47	9.14	JOHNSTOWN	0.3	0	0.00	0.3	0	0.00
17.8	13	6.14	24.7	24	8.17	KALAMAZOO	0.5	1	17.20	0.5	0	0.00
106.6	100	7.90	157.3	163	8.73	KANSAS CITY	13.5	15	9.34	15.2	19	10.50
11.6	6	4.37	13.4	2	1.26	KENOSHA	0.0	0	0.00	0.1	0	0.00
32.1	61	15.99	44.2	47	8.95	KNOXVILLE	2.8	4	12.07	3.6	4	9.27
7.0	5	6.04	9.2	13	11.88	LAKE CHARLES	2.3	1	3.62	2.4	5	17.88
36.4	30	6.94	53.9	30	4.59	LANCASTER	0.4	0	0.00	0.3	0	0.00
30.6	23	6.33	41.4	38	7.72	LANSING	0.5	0	0.00	0.4	0	0.00
5.2	9	14.45	7.1	12	14.32	LAREDO	0.0	0	0.00	0.0	0	0.00
7.9	6	4.28	7.6	6	6.67	LAS VEGAS	0.5	0	0.00	0.4	0	0.00
5.5	5	7.61	6.7	5	6.29	LAWTON	0.6	1	14.97	0.6	1	13.40
11.7	25	18.04	17.9	19	9.13	LEXINGTON	2.8	29	88.64	3.2	28	73.40
12.9	26	16.97	15.6	18	9.15	LIMA	0.5	1	17.47	0.5	2	32.81
19.2	37	16.24	24.0	44	12.77	LINCOLN	0.2	0	0.00	0.2	0	0.00
20.4	16	5.78	28.5	20	5.91	LITTLE ROCK	6.8	11	13.65	7.7	19	20.79
20.1	13	5.44	24.7	10	3.41	LORAIN	0.9	0	0.00	0.9	1	8.92
667.0	760	9.60	1039.2	907	7.35	LOS ANGELES	38.6	40	8.72	43.3	47	9.15

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER VASCULAR LESIONS AFFECTING CENTRAL NERVOUS SYSTEM (I.S.C. 333-334)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
64.8	108	14.04	100.3	172	14.44	LOUISVILLE	9.3	15	13.53	11.4	14	10.31
9.9	17	14.46	13.0	15	9.74	LUBBOCK	0.7	1	12.45	0.6	1	14.87
9.8	15	12.85	14.9	10	5.65	LYNCHBURG	2.6	3	9.76	3.1	0	0.00
8.5	11	10.94	13.9	12	7.29	MACON	3.9	7	15.22	6.4	4	5.24
23.2	22	7.99	32.5	34	8.82	MADISON	0.1	0	0.00	0.1	0	0.00
22.8	40	14.80	34.4	26	6.36	MANCHESTER	0.1	0	0.00	0.0	0	0.00
33.1	54	13.75	55.2	74	11.29	MEMPHIS	23.4	101	36.34	27.1	110	34.14
109.4	94	7.24	121.7	117	8.10	MIAMI	5.9	7	10.02	6.5	2	2.58
2.6	5	16.11	3.5	3	7.26	MIDLAND	0.2	0	0.00	0.3	1	30.91
125.2	284	19.11	169.2	314	15.63	MILWAUKEE	2.9	12	34.53	2.7	6	18.94
161.9	240	12.48	230.4	276	10.09	MINNEAPOLIS	2.3	5	18.06	2.5	2	6.83
16.0	24	12.66	23.2	20	7.25	MOBILE	6.7	21	26.46	9.5	18	15.96
6.8	5	6.23	8.5	9	8.88	MONROE	3.8	2	4.39	4.3	3	5.92
7.9	17	18.17	13.7	16	9.82	MONTGOMERY	5.6	24	36.26	8.9	29	27.51
12.1	16	11.10	16.2	14	7.29	MUNCIE	0.6	1	13.39	0.6	1	14.88
14.1	39	22.69	17.2	31	15.17	MUSKEGON	0.6	1	13.02	0.6	1	13.40
31.3	55	14.82	49.3	51	8.71	NASHVILLE	7.8	16	17.25	9.8	25	21.58
172.7	128	6.24	253.2	212	7.05	NEWARK	13.4	24	15.07	18.0	26	12.17
79.1	65	6.93	107.0	71	5.59	NEW HAVEN	2.5	0	0.00	2.5	3	10.19
52.1	71	11.48	86.3	97	9.47	NEW ORLEANS	19.4	22	9.54	28.3	22	6.56
10.4	7	5.66	13.3	9	5.70	NEWPORT NEWS	4.5	9	16.90	4.7	8	14.46
1133.9	1004	7.46	1511.1	1287	7.17	NEW YORK	75.9	91	10.10	102.6	98	8.04
26.7	23	7.26	40.1	25	5.25	NORFOLK	10.9	27	20.85	12.9	40	26.02
3.2	2	5.24	3.8	2	4.40	ODESSA	0.1	1	56.88	0.2	0	0.00
10.0	7	5.92	11.9	11	7.80	OGDEN	0.3	0	0.00	0.1	0	0.00
48.1	54	9.46	67.6	67	8.35	OKLAHOMA CITY	4.2	4	8.03	4.2	9	17.94
48.9	57	9.82	66.1	54	6.88	OMAHA	2.6	5	16.35	3.2	2	5.32
33.6	20	5.01	41.4	31	6.31	ORLANDO	3.9	12	26.19	4.1	4	8.15
122.5	93	6.30	168.7	115	5.74	PATERSON	2.4	2	7.04	3.1	5	13.54
11.4	12	8.85	15.0	12	6.75	PENSACOLA	2.7	6	19.03	3.3	5	12.69
33.1	36	9.15	45.9	42	7.70	PEORIA	0.8	1	10.75	0.8	0	0.00
419.0	389	7.82	606.5	550	7.64	PHILADELPHIA	50.4	87	14.53	62.9	90	12.05
58.7	54	7.75	65.2	40	5.16	PHOENIX	3.2	3	7.90	2.4	2	6.90
275.9	341	10.41	330.4	307	7.62	PITTSBURGH	16.2	24	12.47	16.4	23	11.84
19.5	9	3.89	29.5	16	4.57	PITTSFIELD	0.2	0	0.00	0.3	0	0.00
26.0	32	10.37	39.8	32	6.77	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
117.1	141	10.14	151.4	133	7.40	PORTLAND OREG.	2.3	1	3.68	1.5	1	5.54
91.7	44	4.04	133.6	69	4.35	PROVIDENCE	1.4	0	0.00	1.5	4	22.20
8.4	12	12.04	10.5	13	10.40	PROVO	0.3	0	0.00	0.0	0	0.00
15.5	4	2.17	19.2	21	9.20	PUEBLO	0.5	2	34.72	0.4	0	0.00
16.3	27	13.93	20.5	35	14.37	RACINE	0.2	0	0.00	0.2	2	102.43
10.1	16	11.71	14.7	13	7.45	RALEIGH	3.3	9	22.68	4.5	7	13.04
38.3	50	10.98	49.2	69	11.80	READING	0.4	2	44.93	0.4	0	0.00
8.9	11	10.40	9.1	6	5.56	RENO	0.3	0	0.00	0.2	0	0.00
29.3	26	7.46	50.1	50	8.40	RICHMOND	8.9	17	16.12	10.9	14	10.78
15.4	23	12.62	22.8	31	11.46	ROANOKE	1.9	15	66.09	2.4	14	49.40
74.7	50	5.64	108.9	76	5.88	ROCHESTER	1.1	4	31.96	1.2	4	28.12
22.0	20	7.67	29.3	41	11.78	ROCKFORD	0.4	1	20.03	0.5	1	15.53
44.8	32	6.02	53.2	35	5.54	SACRAMENTO	3.1	0	0.00	1.8	0	0.00
18.9	17	7.59	24.4	22	7.59	SAGINAW	0.7	1	11.72	0.9	1	9.85
16.3	14	7.23	23.0	19	6.95	ST. JOSEPH	0.5	0	0.00	0.7	0	0.00
202.8	322	13.37	303.5	318	8.82	ST. LOUIS	27.2	66	20.41	33.3	73	18.48
34.3	24	5.89	46.4	31	5.63	SALT LAKE CITY	0.7	2	22.84	0.3	0	0.00
7.2	12	13.96	9.4	9	8.09	SAN ANGELO	0.3	1	24.60	0.4	0	0.00
53.5	52	8.19	77.9	61	6.60	SAN ANTONIO	3.6	12	27.97	5.5	19	28.94
99.8	72	6.08	117.9	92	6.57	SAN BERNARDINO	2.8	1	2.96	3.0	0	0.00
92.9	97	8.80	128.6	117	7.66	SAN DIEGO	2.5	3	9.96	2.6	3	9.81
285.6	320	9.44	408.0	405	8.36	SAN FRANCISCO	21.1	14	5.60	17.8	16	7.56
55.1	66	10.08	80.1	97	10.19	SAN JOSE	1.8	3	14.30	1.2	2	13.92
18.5	13	5.92	26.8	32	10.06	SANTA BARBARA	0.5	0	0.00	0.4	1	19.80
9.1	11	10.19	15.0	14	7.86	SAVANNAH	4.7	19	34.02	6.8	12	14.82
31.3	37	9.96	43.3	47	9.15	SCRANTON	0.1	1	89.61	0.1	0	0.00
134.9	134	8.37	169.8	168	8.33	SEATTLE	5.3	4	6.35	3.3	2	5.07
16.3	21	10.88	22.8	13	4.81	SHREVEPORT	10.7	11	8.67	13.4	6	3.76
16.5	19	9.67	19.7	19	8.11	SIOUX CITY	0.2	0	0.00	0.2	1	41.75
10.4	6	4.87	12.7	10	6.62	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
25.0	33	11.10	31.8	57	15.12	SOUTH BEND	1.0	2	17.18	0.9	0	0.00
42.3	29	5.78	49.3	26	4.44	SPOKANE	0.5	1	15.57	0.4	1	20.46
20.1	36	15.09	28.4	40	11.86	SPRINGFIELD I.	0.9	0	0.00	1.1	0	0.00
19.0	75	33.32	26.3	37	11.85	SPRINGFIELD MO	0.4	7	140.71	0.5	5	83.23
16.6	12	6.10	22.5	16	5.98	SPRINGFIELD O.	1.4	1	6.10	1.9	0	0.00
64.3	24	3.15	96.0	48	4.21	SPRINGFIELD MA	0.9	1	9.77	1.1	2	14.73
19.5	22	9.49	20.9	18	7.26	STEUBENVILLE	0.7	2	24.86	0.6	0	0.00
31.5	28	7.50	32.5	21	5.43	STOCKTON	3.4	3	7.52	1.4	0	0.00
68.7	78	9.56	94.9	99	8.78	SYRACUSE	0.8	0	0.00	0.9	2	18.49
40.6	46	9.53	48.5	49	8.51	TACOMA	0.7	1	12.87	0.5	1	15.46
155.2	112	6.08	168.9	102	5.09	TAMPA	7.0	15	18.06	7.8	21	22.62
16.4	14	7.18	21.8	25	9.68	TERRE HAUTE	0.7	3	36.67	0.8	5	51.06
9.7	11	9.57	12.1	10	6.96	TEXARKANA	3.2	12	31.34	3.6	15	35.30
51.2	67	11.02	71.3	85	10.05	TOLEDO	3.3	5	12.87	3.6	6	13.93
16.8	15	7.53	24.7	33	11.24	TOPEKA	1.4	2	12.15	1.4	2	12.03
27.2	26	8.04	37.8	33	7.35	TRENTON	2.1	2	8.18	2.3	2	7.43
22.5	20	7.48	27.3	31	9.58	TUCSON	1.5	2	11.07	1.4	3	18.41
41.2	46	9.40	54.8	46	7.06	TULSA	4.3	15	29.60	5.1	16	26.60
8.2	10	10.28	10.8	16	12.45	TUSCALOOSA	3.0	10	27.68	3.2	9	23.39
7.4	10	11.38	9.8	14	11.97	TYLER	2.6	8	26.01	2.9	4	11.52
48.3	33	5.75	64.6	48	6.26	UTICA	0.3	0	0.00	0.3	0	0.00
15.5	18	9.76	21.3	18	7.11	WACO	3.0	6	16.84	3.8	19	42.60
113.9	94	6.95	197.7	184	7.84	WASHINGTON	32.5	58	15.03	42.6	77	15.22
13.9	21	12.74	18.8	17	7.61	WATERLOO	0.3	1	25.48	0.3	0	0.00
32.3	34	8.88	36.2	26	6.05	W. PALM BEACH	3.7	8	18.07	2.9	7	20.67
30.4	59	16.35	38.2	63	13.89	WHEELING	0.9	1	9.85	0.8	0	0.00
28.1	30	9.00	40.9	49	10.10	WICHITA	1.5	1	5.52	1.5	1	5.45
12.0	9	6.29	15.2	11	6.11	WICHITA FALLS	0.7	0	0.00	0.7	3	35.34
43.1	55	10.74	60.7	73	10.13	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
31.9	30	7.93	44.7	38	7.16	WILMINGTON	3.9	6	12.89	3.9	3	6.49
10.8	7	5.46	16.1	18	9.41	WINSTON-SALEM	3.1	8	21.57	4.5	15	28.15
82.6	42	4.28	119.6	60	4.23	WORCESTER	0.5	0	0.00	0.5	0	0.00
30.0	28	7.86	38.7	28	6.09	YORK	0.4	1	22.00	0.4	0	0.00
55.5	45	6.83	64.4	60	7.85	YOUNGSTOWN	3.8	5	11.19	3.4	7	17.56
11152.2	11368	8.59	15434.4	13871	7.57	TOTAL 201 SMSA	961.5	1647	14.43	1137.9	1814	13.63

ALL AGE STANDARD RATE = 8.42

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CHRONIC RHEUMATIC HEART DISEASE (I.S.C. 410-416)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
15.2	7	4.84	16.8	4	2.50	ABILENE	0.7	0	0.00	0.7	0	0.00
71.9	74	10.85	77.7	76	10.31	AKRON	4.9	4	8.62	4.9	5	10.66
5.1	3	6.19	5.4	3	5.84	ALBANY GA	2.6	6	24.53	3.6	3	8.78
106.1	116	11.53	123.2	127	10.87	ALBANY NY	2.1	3	15.28	2.1	3	14.84
28.6	38	14.00	30.4	41	14.20	ALBUQUERQUE	0.8	0	0.00	0.8	0	0.00
80.4	80	10.49	89.5	122	14.37	ALLENTOWN	0.6	0	0.00	0.5	2	38.35
23.0	39	17.87	26.7	26	10.27	ALTOONA	0.2	0	0.00	0.2	0	0.00
17.4	11	6.66	18.5	8	4.55	AMARILLO	0.9	2	24.60	0.9	2	24.31
20.0	15	7.89	22.3	20	9.44	ANN ARBOR	1.6	0	0.00	1.5	1	7.01
18.1	20	11.63	20.9	15	7.57	ASHEVILLE	2.2	3	14.47	2.6	3	12.34
102.0	81	8.37	120.9	59	5.14	ATLANTA	25.8	13	5.30	33.0	37	11.81
24.9	26	11.02	29.5	26	9.30	ATLANTIC CITY	4.5	2	4.70	5.2	5	10.15
18.4	10	5.72	20.2	7	3.66	AUGUSTA	7.2	6	8.83	9.2	9	10.37
24.0	12	5.27	27.2	16	6.20	AUSTIN	3.5	1	3.05	4.4	3	7.22
37.5	28	7.88	36.6	27	7.78	BAKERSFIELD	3.1	2	6.75	2.2	2	9.47
201.4	195	10.20	227.4	230	10.66	BALTIMORE	46.2	39	8.90	47.9	40	8.79
18.2	3	1.74	20.0	4	2.11	BATON ROUGE	8.0	6	7.93	9.4	6	6.69
14.3	7	4.99	15.9	20	13.29	BAY CITY	0.1	1	120.47	0.1	0	0.00
33.1	10	3.19	34.5	15	4.58	BEAUMONT	7.7	0	0.00	8.0	1	1.31
10.7	7	6.92	11.0	13	12.48	BILLINGS	0.1	0	0.00	0.1	0	0.00
33.3	28	8.88	37.5	38	10.68	BINGHAMTON	0.2	0	0.00	0.2	0	0.00
59.1	38	6.78	68.9	41	6.28	BIRMINGHAM	28.0	18	6.78	33.3	29	9.17
476.1	546	12.09	583.3	788	14.24	BOSTON	11.5	11	10.06	12.1	8	6.96
100.2	91	9.57	112.3	128	12.01	BRIDGEPORT	3.8	3	8.30	4.3	2	4.87
38.5	37	10.14	44.0	58	13.88	BROCKTON	0.8	0	0.00	0.6	2	35.51
16.2	3	1.95	17.5	9	5.42	BROWNSVILLE	0.2	0	0.00	0.2	0	0.00
191.3	155	8.54	211.1	214	10.68	BUFFALO	10.2	10	10.28	9.8	7	7.51
50.1	51	10.73	54.1	46	8.96	CANTON	2.3	1	4.63	2.3	3	13.99
19.9	19	10.06	22.6	21	9.78	CEDAR RAPIDS	0.2	0	0.00	0.2	0	0.00
14.4	7	5.12	16.0	11	7.27	CHAMPAIGN	0.8	1	13.42	0.8	1	13.48
15.6	6	4.05	17.2	7	4.28	CHARLESTON SC	7.2	8	11.68	9.3	13	14.78
32.6	36	11.64	35.4	33	9.82	CHARLESTON WVA	2.2	0	0.00	2.5	2	8.37
25.9	8	3.26	30.8	21	7.20	CHARLOTTE	7.0	6	9.02	8.4	9	11.33
32.6	25	8.09	38.1	29	8.03	CHATTANOOGA	6.5	8	12.75	8.1	2	2.60
859.0	817	10.02	940.7	1033	11.57	CHICAGO	109.3	102	9.84	116.8	109	9.84
142.1	157	11.65	171.1	185	11.40	CINCINNATI	17.5	20	12.07	19.3	28	15.32
243.5	318	13.76	272.7	375	14.49	CLEVELAND	32.0	36	11.85	33.8	30	9.34
17.5	17	10.21	20.3	23	11.96	COLORADO SPRGS	0.5	0	0.00	0.6	1	19.00
22.8	8	3.70	25.6	9	3.70	COLUMBIA	7.9	3	3.99	9.1	4	4.63
16.8	3	1.89	18.7	6	3.38	COLUMBUS GA	6.4	4	6.60	8.4	3	3.76
81.5	96	12.42	94.7	106	11.79	COLUMBUS OHIO	10.8	10	9.73	11.2	9	8.51
24.0	9	3.95	25.2	9	3.77	CORPUS CHRISTI	1.3	1	8.37	1.4	0	0.00
126.5	74	6.17	146.9	70	5.02	DALLAS	18.6	4	2.27	20.3	6	3.11
41.7	31	7.84	45.5	23	5.33	DAVENPORT	0.8	1	13.33	0.7	1	14.21
86.0	74	9.06	95.0	66	7.32	DAYTON	8.5	9	11.07	8.8	4	4.80
17.1	11	6.77	20.0	21	11.08	DECATUR	0.7	1	15.85	0.7	1	14.48
122.8	135	11.58	139.9	202	15.22	DENVER	4.6	6	13.66	4.9	6	13.02
37.5	36	10.13	44.6	42	9.93	DES MOINES	1.5	1	7.24	1.6	2	12.95
481.5	553	12.10	497.0	574	12.17	DETROIT	70.1	80	12.03	71.5	73	10.76
11.1	13	12.32	13.5	9	7.05	DUBUQUE	0.0	0	0.00	0.0	1	878.25
46.8	47	10.58	47.0	51	11.43	DULUTH	0.3	1	40.09	0.2	0	0.00
10.3	3	3.08	12.4	9	7.63	DURHAM	4.3	0	0.00	5.2	3	6.06
31.0	32	10.88	34.2	49	15.10	EL PASO	1.0	2	21.35	0.8	1	13.06
37.0	39	11.10	40.8	51	13.16	ERIE	0.7	0	0.00	0.7	0	0.00
23.5	24	10.74	23.7	24	10.65	EUGENE	0.1	1	99.09	0.1	0	0.00
28.6	23	8.49	33.7	29	9.07	EVANSVILLE	2.0	0	0.00	2.3	2	9.11
64.4	63	10.30	78.4	75	10.08	FALL RIVER	0.7	2	28.23	0.7	2	29.77
15.0	14	9.82	15.5	7	4.77	FARGO	0.0	0	0.00	0.0	0	0.00
45.8	50	11.51	47.5	57	12.65	FLINT	3.6	2	5.91	3.4	2	6.16
53.5	60	11.81	58.2	71	12.86	FT. LAUDERDALE	5.1	7	14.34	5.1	6	12.39
9.8	7	7.54	11.6	7	6.38	FORT SMITH	0.6	2	32.49	0.8	0	0.00
31.6	25	8.34	36.0	36	10.53	FORT WAYNE	1.1	2	18.38	1.2	2	17.58
70.0	36	5.42	78.5	28	3.76	FORT WORTH	7.7	3	4.12	8.5	5	6.19
48.3	37	8.07	49.7	49	10.39	FRESNO	4.3	4	9.85	3.3	4	12.83
11.6	7	6.33	13.0	6	4.87	GADSDEN	1.[illegible]	1	6.00	2.0	2	10.33
15.8	3	2.00	16.3	12	7.77	GALVESTON	4.0	1	2.67	4.1	1	2.57
69.3	62	9.43	66.0	76	12.13	GARY	9.9	14	14.92	9.8	11	11.88
50.4	49	10.24	57.0	59	10.91	GRAND RAPIDS	1.7	1	6.36	1.7	2	12.31
10.0	12	12.60	9.7	16	17.46	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
16.9	14	8.73	18.3	20	11.37	GREEN BAY	0.2	0	0.00	0.2	0	0.00
25.4	27	11.21	29.6	24	8.55	GREENSBORO	5.8	9	16.45	6.4	4	6.57
21.9	11	5.29	25.6	17	7.01	GREENVILLE	3.9	3	8.05	4.8	0	0.00
25.1	18	7.56	27.4	20	7.69	HAMILTON	1.2	0	0.00	1.3	1	7.90
50.0	53	11.17	58.5	59	10.64	HARRISBURG	2.8	6	22.43	3.1	1	3.38
103.4	91	9.27	114.6	109	10.03	HARTFORD	3.5	3	9.13	3.5	3	8.98
18.9	12	6.70	17.0	16	9.91	HONOLULU	40.9	26	6.71	33.3	20	6.32
129.5	72	5.86	139.6	56	4.23	HOUSTON	28.5	7	2.59	30.5	16	5.54
37.1	36	10.22	41.4	36	9.17	HUNTINGTON	1.3	2	16.20	1.4	2	14.78
11.0	10	9.62	11.5	4	3.68	HUNTSVILLE	2.4	3	13.25	2.8	3	11.37
86.8	89	10.80	102.2	82	8.45	INDIANAPOLIS	13.3	8	6.32	14.8	16	11.37
19.1	28	15.48	20.0	20	10.56	JACKSON MICH	1.3	0	0.00	0.6	1	16.82
14.3	6	4.43	17.2	5	3.06	JACKSON MISS	8.2	5	6.46	9.7	4	4.36
44.7	33	7.78	49.9	29	6.13	JACKSONVILLE	13.0	16	12.95	15.2	6	4.16
100.7	115	12.04	113.1	184	17.15	JERSEY CITY	4.5	6	14.19	5.0	5	10.57
44.9	46	10.81	47.0	57	12.79	JOHNSTOWN	0.5	0	0.00	0.5	1	21.04
22.7	16	7.42	25.6	23	9.47	KALAMAZOO	0.7	1	15.81	0.7	0	0.00
137.5	108	8.28	160.4	147	9.66	KANSAS CITY	16.8	28	17.58	18.3	34	19.57
15.4	11	7.55	15.8	17	11.35	KENOSHA	0.1	0	0.00	0.1	0	0.00
47.1	25	5.59	53.9	39	7.62	KNOXVILLE	3.8	2	5.52	4.5	2	4.64
13.1	9	6.45	13.4	3	2.37	LAKE CHARLES	3.2	3	9.88	3.3	7	22.39
41.3	44	11.23	48.3	45	9.82	LANCASTER	0.5	0	0.00	0.5	0	0.00
39.2	42	11.29	43.1	49	11.99	LANSING	0.9	1	11.71	0.8	2	25.75
7.3	1	1.45	8.7	3	3.62	LAREDO	0.0	0	0.00	0.0	0	0.00
17.3	9	5.50	14.9	14	9.92	LAS VEGAS	1.2	0	0.00	1.1	0	0.00
8.7	2	2.42	8.4	3	3.74	LAWTON	1.0	0	0.00	0.9	0	0.00
15.6	7	4.73	17.8	6	3.55	LEXINGTON	3.2	1	3.32	3.5	0	0.00
14.7	16	10.02	16.2	12	7.79	LIMA	0.9	1	11.70	0.7	1	14.06
21.6	22	10.72	25.7	19	7.80	LINCOLN	0.4	0	0.00	0.3	1	34.85
28.0	12	4.52	31.4	12	4.03	LITTLE ROCK	7.1	4	5.92	8.3	4	5.07
28.1	31	11.62	28.8	16	5.86	LORAIN	1.5	0	0.00	1.4	0	0.00
925.1	1023	11.66	1080.9	1095	10.68	LOS ANGELES	71.3	47	6.95	74.1	38	5.41

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CHRONIC RHEUMATIC HEART DISEASE (I.S.C. 410-416)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
89.2	66	7.80	104.7	92	9.26	LOUISVILLE	12.1	9	7.85	13.6	5	3.88
16.6	4	2.54	17.7	11	6.55	LUBBOCK	1.3	1	8.35	1.2	0	0.00
12.5	8	6.74	15.1	9	6.27	LYNCHBURG	3.0	3	10.38	3.5	6	18.19
15.3	7	4.82	17.9	5	2.95	MACON	6.0	2	3.51	8.0	2	2.62
29.4	35	12.55	33.0	33	10.54	MADISON	0.3	0	0.00	0.2	0	0.00
27.9	24	9.07	33.6	36	11.30	MANCHESTER	0.0	0	0.00	0.0	0	0.00
52.2	36	7.27	62.7	37	6.22	MEMPHIS	28.6	26	9.57	32.8	25	8.03
142.5	173	12.80	154.6	167	11.40	MIAMI	14.5	10	7.29	14.9	9	6.37
6.5	5	8.09	6.6	6	9.58	MIDLAND	0.7	0	0.00	0.7	0	0.00
176.3	194	11.60	193.6	210	11.43	MILWAUKEE	6.2	8	13.55	5.9	8	14.23
207.3	230	11.69	240.5	270	11.83	MINNEAPOLIS	3.5	5	15.15	3.3	1	3.22
27.1	13	5.08	29.8	16	5.66	MOBILE	10.9	6	5.79	13.0	4	3.25
9.4	4	4.50	10.4	6	6.09	MONROE	4.0	4	10.53	4.8	7	15.35
13.3	11	8.72	15.8	12	8.00	MONTGOMERY	7.2	4	5.82	9.6	7	7.67
14.9	18	12.72	16.5	29	18.50	MUNCIE	0.8	2	26.17	0.8	1	12.80
19.4	20	10.88	20.3	26	13.50	MUSKEGON	1.4	2	14.91	1.3	2	16.48
44.1	24	5.73	53.4	25	4.93	NASHVILLE	10.3	10	10.22	12.4	8	6.82
247.2	289	12.07	282.8	336	12.67	NEWARK	26.6	32	12.69	30.6	32	11.03
100.9	110	11.49	113.5	137	12.72	NEW HAVEN	3.7	4	11.50	4.0	3	7.95
86.5	36	4.39	102.3	39	4.02	NEW ORLEANS	31.6	13	4.33	37.7	22	6.15
19.9	12	6.34	19.2	22	12.08	NEWPORT NEWS	7.8	1	1.36	7.5	3	4.21
1632.0	1857	11.99	1957.6	2474	14.06	NEW YORK	158.2	197	13.13	190.2	229	12.69
50.1	23	4.84	53.4	29	5.72	NORFOLK	18.1	14	8.15	19.9	13	6.90
9.4	3	3.37	9.7	3	3.62	ODESSA	0.5	1	22.39	0.4	0	0.00
13.0	30	22.80	14.5	32	23.20	OGDEN	0.4	1	24.69	0.3	1	34.28
65.9	43	6.88	75.1	38	5.33	OKLAHOMA CITY	5.5	1	1.91	6.1	0	0.00
82.0	68	10.60	70.9	62	9.36	OMAHA	3.4	2	6.28	3.6	2	5.89
30.2	30	10.49	43.9	24	5.82	ORLANDO	6.4	3	4.95	6.4	3	4.98
184.6	208	11.93	208.9	267	13.71	PATERSON	4.9	13	27.93	5.8	10	18.19
19.1	14	7.71	20.3	14	7.27	PENSACOLA	3.9	4	10.92	4.7	1	2.24
42.8	39	8.03	47.0	60	13.46	PEORIA	1.1	0	0.00	1.2	1	8.76
590.9	648	11.76	665.1	867	13.62	PHILADELPHIA	86.8	77	9.35	97.1	89	9.66
86.9	110	13.34	99.5	98	10.36	PHOENIX	4.5	1	2.35	3.9	3	8.14
361.1	407	11.88	392.4	430	11.55	PITTSBURGH	24.6	32	13.73	24.1	37	16.15
22.6	21	9.78	26.8	27	10.62	PITTSFIELD	0.2	1	46.88	0.2	0	0.00
28.4	30	11.12	34.4	32	9.80	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
134.4	159	12.47	148.5	180	12.77	PORTLAND OREG.	3.5	4	12.13	2.8	5	18.53
115.0	106	9.72	139.9	141	10.86	PROVIDENCE	1.8	0	0.00	1.8	4	22.93
12.0	21	18.44	12.6	12	10.08	PROVO	0.0	0	0.00	0.0	0	0.00
17.4	24	14.52	18.2	39	22.63	PUEBLO	0.4	1	25.40	0.4	0	0.00
20.6	13	6.66	22.1	17	8.10	RACINE	0.5	0	0.00	0.4	0	0.00
16.3	14	9.04	18.7	9	5.06	RALEIGH	5.0	4	8.41	5.8	6	10.84
47.5	61	13.54	52.9	54	10.76	READING	0.6	1	17.20	0.6	0	0.00
13.2	18	14.39	12.4	15	12.71	RENO	0.5	0	0.00	0.4	0	0.00
43.7	29	7.00	54.3	38	7.38	RICHMOND	13.8	15	11.46	16.0	14	9.21
21.1	15	7.49	24.5	15	6.45	ROANOKE	3.0	5	17.85	3.2	4	12.98
91.0	90	10.42	106.0	128	12.73	ROCHESTER	2.4	3	13.26	2.4	2	8.80
20.5	20	10.37	31.8	20	6.62	ROCKFORD	0.8	2	25.16	0.9	2	23.65
66.2	66	10.51	65.5	47	9.18	SACRAMENTO	5.1	4	8.22	3.7	3	8.51
24.5	15	6.46	26.2	18	7.24	SAGINAW	2.0	0	0.00	1.8	3	17.89
15.8	13	8.65	19.1	13	7.17	ST. JOSEPH	0.5	0	0.00	0.6	2	37.49
271.8	223	8.65	318.2	307	10.17	ST. LOUIS	38.3	23	6.32	44.1	46	11.00
47.3	88	19.60	51.9	108	21.93	SALT LAKE CITY	0.8	2	26.20	0.6	0	0.00
9.0	4	4.70	10.1	9	9.40	SAN ANGELO	0.5	0	0.00	0.6	0	0.00
78.3	36	5.25	90.9	53	6.17	SAN ANTONIO	5.8	2	3.62	6.9	0	0.00
117.6	136	12.19	124.5	145	12.28	SAN BERNARDINO	4.8	5	11.08	4.0	3	7.87
130.4	117	9.46	141.8	163	12.12	SAN DIEGO	5.6	5	9.47	5.0	3	6.38
394.2	393	10.51	430.6	484	11.85	SAN FRANCISCO	49.2	31	7.23	38.2	27	7.44
79.1	71	9.46	88.1	85	10.17	SAN JOSE	2.8	1	3.77	2.2	2	9.71
23.6	27	12.03	26.7	32	12.61	SANTA BARBARA	1.0	0	0.00	0.6	0	0.00
15.5	9	6.12	19.6	6	3.44	SAVANNAH	7.7	15	20.44	9.6	10	11.00
40.3	53	13.85	48.5	61	13.24	SCRANTON	0.1	1	77.51	0.1	0	0.00
163.9	177	11.38	176.4	197	11.77	SEATTLE	7.9	5	6.71	5.7	3	5.54
24.6	10	4.29	28.0	7	2.63	SHREVEPORT	11.6	0	0.00	14.2	6	4.45
17.2	16	9.82	19.1	24	13.22	SIOUX CITY	0.3	0	0.00	0.2	0	0.00
12.3	14	12.03	13.5	11	8.57	SIOUX FALLS	0.1	0	0.00	0.0	0	0.00
33.6	34	10.60	36.7	33	9.48	SOUTH BEND	1.7	1	6.24	1.7	2	12.40
43.5	48	11.87	46.1	51	11.66	SPOKANE	0.7	0	0.00	0.6	0	0.00
22.8	17	7.87	27.4	26	9.99	SPRINGFIELD I.	0.9	1	11.72	1.1	1	9.95
19.5	20	10.79	23.2	21	9.52	SPRINGFIELD MO	0.4	1	24.03	0.4	0	0.00
18.1	21	12.21	20.6	27	13.83	SPRINGFIELD O.	1.7	2	12.19	2.0	0	0.00
80.9	67	8.73	95.1	111	12.30	SPRINGFIELD MA	1.6	0	0.00	1.7	1	6.23
25.3	29	12.06	25.3	26	10.85	STEUBENVILLE	1.1	0	0.00	1.0	0	0.00
37.7	48	13.41	35.8	36	10.59	STOCKTON	5.2	4	8.07	2.5	1	4.27
83.6	71	8.95	93.0	99	11.22	SYRACUSE	1.5	2	14.06	1.4	1	7.42
47.1	33	7.38	48.9	56	12.06	TACOMA	1.5	1	6.86	1.1	1	9.29
140.2	119	8.80	158.0	110	7.34	TAMPA	11.0	5	4.78	11.8	4	3.57
17.3	18	10.96	20.1	13	6.81	TERRE HAUTE	0.8	0	0.00	0.8	0	0.00
11.6	8	7.27	12.8	4	3.30	TEXARKANA	3.3	3	9.49	3.7	0	0.00
66.7	60	9.48	74.3	71	10.07	TOLEDO	5.4	1	1.96	5.6	5	9.42
19.0	10	5.56	22.3	17	8.04	TOPEKA	1.5	1	7.24	1.6	2	13.19
38.4	35	9.60	42.9	42	10.33	TRENTON	4.0	3	7.81	4.0	2	5.30
34.4	30	9.19	37.5	42	11.80	TUCSON	2.1	1	4.97	1.9	0	0.00
55.0	38	7.28	62.5	34	5.74	TULSA	5.2	2	4.09	6.0	6	10.61
11.3	6	5.60	12.0	4	3.52	TUSCALOOSA	3.5	2	6.11	4.1	0	0.00
9.9	1	1.06	11.1	7	6.62	TYLER	3.1	1	3.38	3.4	1	3.08
53.3	51	10.08	59.2	55	9.79	UTICA	0.6	0	0.00	0.5	1	21.33
19.5	8	4.33	21.6	9	4.39	WACO	3.3	1	3.16	3.8	1	2.76
201.5	168	8.79	241.0	194	8.48	WASHINGTON	60.4	53	9.24	66.4	50	7.93
16.6	18	11.42	18.5	14	7.96	WATERLOO	0.5	0	0.00	0.5	0	0.00
34.3	34	10.45	38.3	31	8.53	W. PALM BEACH	6.8	1	1.54	5.7	3	5.55
32.2	19	6.23	35.5	26	7.71	WHEELING	0.8	0	0.00	0.8	1	13.74
41.2	25	6.40	46.6	29	6.56	WICHITA	2.3	1	4.68	2.3	0	0.00
16.3	6	3.87	17.8	10	5.91	WICHITA FALLS	1.1	0	0.00	1.2	0	0.00
60.5	62	10.81	71.6	81	11.92	WILKES-BARRE	0.2	0	0.00	0.2	0	0.00
46.3	39	8.87	51.1	69	14.24	WILMINGTON	6.1	4	6.93	6.0	9	15.89
18.3	19	10.96	21.5	18	8.84	WINSTON-SALEM	5.5	4	7.61	6.9	3	4.57
95.5	84	9.27	111.0	98	9.31	WORCESTER	0.5	0	0.00	0.5	2	40.53
36.9	28	8.00	40.9	42	10.84	YORK	0.6	2	33.47	0.7	0	0.00
71.5	74	10.90	75.0	83	11.66	YOUNGSTOWN	6.2	5	8.49	5.8	7	12.63
15324.7	15055	10.35	17237.6	18009	11.01	TOTAL 201 SMSA	1609.5	1377	9.02	1741.2	1476	8.93

ALL AGE STANDARD RATE = 10.54

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

ARTERIOSCLEROTIC HEART DISEASE, INCLUDING CORONARY DISEASE (I.S.C. 420)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
379.1	360	263.52	476.3	199	119.95	ABILENE	15.4	4	72.03	16.7	8	133.15
1746.4	2388	379.90	2071.3	1248	167.20	AKRON	96.4	99	285.06	100.5	56	154.64
90.2	117	359.83	116.5	62	147.72	ALBANY GA	65.0	79	337.06	96.9	48	137.44
2885.9	5055	486.09	3797.2	3757	274.57	ALBANY NY	44.1	60	377.89	47.3	50	293.41
572.7	498	239.87	667.1	288	119.81	ALBUQUERQUE	14.6	7	133.13	13.9	7	139.54
2110.9	3223	423.70	2613.7	2121	225.20	ALLENTOWN	12.4	18	401.26	12.6	9	198.03
670.3	1016	420.62	842.0	671	221.15	ALTOONA	4.4	5	312.96	5.3	8	418.12
342.3	442	338.55	450.9	218	134.18	AMARILLO	15.9	17	296.50	16.8	16	264.84
470.2	490	294.50	642.3	337	145.59	ANN ARBOR	30.1	24	221.50	31.7	17	149.04
488.7	573	325.41	616.6	301	175.98	ASHEVILLE	56.4	63	310.19	69.4	60	239.85
2195.6	2033	370.71	3170.6	1730	150.99	ATLANTA	560.5	497	246.06	779.0	433	156.26
752.1	1210	446.43	956.4	859	249.26	ATLANTIC CITY	126.4	181	397.39	145.6	146	276.47
366.9	577	439.61	594.3	296	161.79	AUGUSTA	175.9	193	304.52	239.8	150	173.62
594.0	596	283.29	773.0	370	132.67	AUSTIN	95.1	65	199.77	126.8	50	109.43
860.4	1096	392.87	881.7	567	178.46	BAKERSFIELD	73.2	56	212.32	46.1	29	176.40
4676.8	6266	370.62	6917.9	4929	172.58	BALTIMORE	935.8	700	207.59	1038.3	550	147.00
342.3	510	413.43	457.0	246	149.30	BATON ROUGE	199.9	183	254.03	242.6	137	156.85
374.5	560	400.19	467.9	290	180.06	BAY CITY	2.1	3	395.24	1.8	4	616.99
693.9	913	365.14	820.0	420	142.14	BEAUMONT	172.6	201	323.16	174.2	138	219.89
247.7	320	321.67	286.5	156	149.17	BILLINGS	2.8	3	298.39	2.3	0	0.00
864.7	1339	425.81	1112.2	915	228.30	BINGHAMTON	6.3	6	263.16	5.7	5	246.52
1391.7	1696	347.78	1844.9	985	148.16	BIRMINGHAM	687.2	494	199.49	852.2	363	118.21
12978.1	18675	409.87	18483.0	16096	212.79	BOSTON	269.4	300	309.03	309.6	201	180.86
2516.0	3432	378.56	3125.2	2609	209.23	BRIDGEPORT	71.8	97	374.76	82.7	61	204.61
1098.3	1511	391.80	1454.4	1123	214.27	BROCKTON	25.4	32	349.36	16.4	21	356.15
391.9	343	249.26	631.5	221	142.13	BROWNSVILLE	4.1	1	67.28	3.1	2	- - -
4815.3	7638	460.01	5629.1	5180	262.61	BUFFALO	187.1	260	385.66	179.5	145	224.12
1347.6	1860	393.03	1997.4	1151	199.86	CANTON	49.0	68	385.35	47.2	53	311.31
547.8	587	297.34	719.1	415	160.16	CEDAR RAPIDS	4.4	6	380.17	5.5	3	152.19
342.3	438	395.08	465.3	277	169.22	CHAMPAIGN	15.5	19	340.97	16.1	13	223.97
295.0	410	394.18	413.8	265	177.79	CHARLESTON SC	140.7	91	179.44	213.4	104	135.23
761.2	1135	413.77	878.9	588	189.65	CHARLESTON WVA	62.5	87	386.02	65.0	45	189.15
531.4	861	449.67	768.6	473	170.79	CHARLOTTE	143.5	241	465.94	182.9	199	301.93
785.7	892	315.07	1015.4	563	148.41	CHATTANOOGA	158.0	143	251.22	200.1	101	140.04
20887.7	34942	464.23	25626.4	22168	240.06	CHICAGO	2200.9	3166	399.19	2491.6	2514	280.01
3716.5	5081	379.39	5234.7	3623	197.07	CINCINNATI	415.8	449	299.64	449.0	311	192.20
6068.5	8703	397.99	7525.5	5440	200.61	CLEVELAND	642.8	766	329.83	719.1	548	211.48
433.2	517	331.10	609.0	356	162.22	COLORADO SPRGS	9.0	5	193.51	13.3	9	187.95
471.0	671	395.33	667.0	372	154.77	COLUMBIA	173.1	215	344.65	221.9	172	215.09
307.9	508	455.19	442.1	266	169.73	COLUMBUS GA	135.5	111	227.31	202.5	127	174.07
1994.8	2374	331.93	2735.2	1659	168.32	COLUMBUS OHIO	250.4	190	210.60	269.1	168	173.24
491.1	724	409.13	555.1	303	151.47	CORPUS CHRISTI	23.7	40	469.05	28.7	17	166.60
2868.6	3730	360.87	3923.3	1841	130.22	DALLAS	433.2	522	334.43	464.8	371	221.49
1120.3	1556	384.96	1378.5	945	190.26	DAVENPORT	18.2	26	396.13	16.5	13	219.21
2070.4	2562	343.40	2612.9	1624	172.48	DAYTON	184.5	159	239.16	190.5	123	179.21
474.7	598	367.81	622.9	335	149.25	DECATUR	15.6	12	213.83	16.7	11	182.89
3085.1	3636	326.88	4077.2	2363	161.03	DENVER	105.8	84	220.26	118.1	56	131.58
996.3	1290	359.33	1360.9	851	174.53	DES MOINES	39.7	51	356.47	45.2	37	228.96
11088.4	15822	395.98	12407.1	8469	189.43	DETROIT	1323.6	1517	318.06	1405.2	1085	214.27
316.8	363	316.09	462.2	264	158.50	DUBUQUE	0.3	0	0.00	0.2	16	- - -
1392.7	1920	384.37	1392.6	971	193.50	DULUTH	6.8	6	243.09	5.1	1	53.99
226.1	330	416.14	539.0	196	164.39	DURHAM	93.1	114	339.75	118.8	84	196.26
621.5	558	267.82	788.2	293	103.18	EL PASO	17.5	8	126.70	14.4	6	115.33
982.1	1637	406.09	1191.6	876	206.01	ERIE	14.2	33	644.86	14.2	17	333.04
599.3	706	326.94	666.1	367	159.11	EUGENE	1.6	2	345.77	1.1	0	0.00
768.3	931	336.27	1020.2	578	157.22	EVANSVILLE	61.2	69	312.81	64.7	51	218.85
1759.1	2580	407.01	2450.3	1918	217.22	FALL RIVER	22.5	38	469.22	19.4	12	171.89
399.8	439	304.69	437.5	225	142.73	FARGO	0.3	0	0.00	0.5	0	0.00
1052.4	1513	398.96	1207.7	836	192.10	FLINT	56.7	67	327.92	61.1	40	181.76
1507.9	1764	324.64	1566.9	683	121.12	FT. LAUDERDALE	87.1	74	235.83	88.2	76	239.06
277.5	378	377.99	356.2	264	209.70	FORT SMITH	20.6	19	256.29	25.1	14	154.49
796.5	986	346.41	1041.8	578	153.97	FORT WAYNE	21.6	24	308.31	26.1	9	103.66
1621.5	2097	358.89	2106.1	1066	140.33	FORT WORTH	183.6	256	386.95	207.9	180	240.29
1241.8	1560	348.63	1358.8	780	159.30	FRESNO	119.7	90	208.24	74.0	41	153.84
280.0	328	326.10	342.2	231	187.33	GADSDEN	40.4	56	384.56	49.0	64	362.47
347.0	487	389.47	403.6	235	165.69	GALVESTON	86.8	87	278.27	90.0	57	175.80
1555.6	2224	396.75	1566.7	1062	188.35	GARY	194.9	236	336.74	191.3	178	258.17
1345.2	1682	347.00	1727.7	1038	166.72	GRAND RAPIDS	35.5	24	187.65	36.7	17	128.50
259.6	316	335.69	257.4	146	157.41	GREAT FALLS	2.5	5	547.50	2.3	4	481.70
437.9	579	365.97	527.0	320	168.49	GREEN BAY	4.0	0	0.00	4.7	4	234.73
550.7	754	379.99	738.2	380	142.85	GREENSBORO	117.1	135	319.92	138.3	80	160.51
470.0	701	413.90	636.8	314	136.83	GREENVILLE	87.2	83	264.05	113.7	71	173.29
609.4	788	358.85	756.1	531	194.89	HAMILTON	29.7	32	298.68	29.6	24	225.19
1306.2	1965	417.49	1758.1	1182	186.58	HARRISBURG	65.0	100	426.74	76.0	57	208.19
2575.0	3376	363.62	3222.3	2276	196.01	HARTFORD	61.6	66	297.52	71.5	66	256.30
294.8	448	421.68	341.3	223	181.33	HONOLULU	855.8	561	181.92	671.0	270	111.67
2610.1	3616	384.24	3258.0	1752	149.19	HOUSTON	584.8	595	282.36	659.1	431	181.47
1015.6	1321	360.97	1192.8	719	167.28	HUNTINGTON	40.7	63	429.37	40.9	37	251.12
216.8	260	332.73	262.9	129	136.19	HUNTSVILLE	62.2	53	236.63	74.8	42	155.76
2147.2	3090	399.35	2936.1	1804	170.51	INDIANAPOLIS	329.5	397	334.41	366.8	259	195.98
500.1	668	370.65	618.3	404	181.32	JACKSON MICH	21.7	14	179.01	14.5	12	229.66
309.4	369	330.94	448.3	199	123.17	JACKSON MISS	211.4	99	129.97	256.2	100	109.15
955.7	1340	389.12	1259.4	713	157.24	JACKSONVILLE	289.4	223	213.81	350.6	177	140.10
2554.2	4287	463.78	3119.7	3028	269.35	JERSEY CITY	84.2	116	382.47	99.1	84	235.32
1268.2	1720	376.37	1358.0	936	190.87	JOHNSTOWN	12.4	16	358.58	11.5	12	288.73
584.5	701	332.85	749.2	398	147.42	KALAMAZOO	15.8	6	105.38	16.1	9	154.72
3534.4	5027	394.71	4755.1	3161	184.48	KANSAS CITY	449.8	362	223.34	490.9	279	157.72
399.7	518	359.86	435.9	299	190.34	KENOSHA	1.7	0	0.00	1.9	0	0.00
1109.8	1369	342.32	1418.2	762	149.11	KNOXVILLE	95.3	75	218.42	118.0	57	136.10
253.3	364	398.74	300.7	185	170.72	LAKE CHARLES	75.5	93	341.68	76.6	52	188.40
1145.9	1408	341.00	1549.7	979	179.31	LANCASTER	12.3	20	452.33	11.7	17	402.40
1002.6	1303	360.64	1248.5	689	153.15	LANSING	16.9	7	115.28	15.2	7	127.75
178.2	168	261.60	226.9	118	144.30	LAREDO	0.4	1	709.38	0.4	0	0.00
327.4	494	418.70	287.0	155	149.89	LAS VEGAS	20.3	15	205.15	16.8	21	346.49
178.6	207	321.65	209.2	104	137.98	LAWTON	18.1	15	230.39	19.6	8	113.36
387.1	495	354.88	524.9	297	157.01	LEXINGTON	89.3	103	319.95	101.1	84	230.51
408.2	461	299.79	498.1	287	159.89	LIMA	17.7	9	140.81	16.6	13	217.24
600.2	563	251.97	830.0	357	118.09	LINCOLN	7.7	7	250.87	7.0	1	39.62
690.8	983	396.91	880.6	529	166.71	LITTLE ROCK	211.0	182	239.35	239.4	148	171.56
680.3	893	364.25	772.6	548	196.84	LORAIN	31.5	37	325.45	30.5	27	245.89
22777.5	29728	337.82	31854.0	18376	160.09	LOS ANGELES	1406.8	1083	213.64	1532.1	683	123.71

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
ARTERIOSCLEROTIC HEART DISEASE, INCLUDING CORONARY DISEASE (I.S.C. 420)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
2185.4	2080	378.41	3040.4	1909	174.25	LOUISVILLE	314.2	362	319.71	367.6	286	215.90
347.9	360	294.37	474.8	181	118.24	LUBBOCK	24.3	8	91.35	20.2	8	109.87
321.2	348	300.64	449.4	224	138.34	LYNCHBURG	82.5	63	212.03	97.8	55	156.08
312.7	500	443.73	449.9	234	144.36	MACON	136.8	208	421.86	207.8	164	219.00
757.1	846	310.10	976.5	548	155.73	MADISON	4.3	6	385.06	4.1	2	136.07
757.2	1110	406.79	1042.5	744	198.06	MANCHESTER	1.4	0	0.00	0.9	0	0.00
1167.0	1321	314.13	1712.9	890	144.19	MEMPHIS	761.3	357	130.13	863.8	306	98.31
3824.3	4708	348.17	4178.7	2288	151.95	MIAMI	239.8	216	249.97	253.9	165	180.36
103.1	110	295.97	121.1	41	93.93	MIDLAND	10.7	9	233.88	10.6	4	104.54
4404.7	6116	385.33	5423.9	3678	188.18	MILWAUKEE	108.5	101	258.21	99.8	65	180.71
5419.6	7197	368.52	7090.7	4165	163.03	MINNEAPOLIS	80.3	106	366.42	80.3	51	176.25
577.6	908	436.29	742.7	536	200.27	MOBILE	236.5	205	240.56	309.4	178	159.63
228.1	293	356.45	273.9	140	162.09	MONROE	117.4	133	314.43	132.7	85	177.70
281.6	387	351.35	425.3	209	136.38	MONTGOMERY	184.5	169	254.22	273.9	167	169.19
390.9	529	375.53	486.7	291	165.91	MUNCIE	20.6	17	229.15	19.4	16	229.12
480.0	751	434.17	547.4	382	193.66	MUSKEGON	25.4	25	273.23	22.9	15	182.10
1053.2	1676	398.93	1590.7	901	182.16	NASHVILLE	259.9	249	265.87	320.3	166	143.81
6139.9	9371	423.55	9051.1	6370	219.57	NEWARK	515.1	815	439.11	637.2	602	262.20
2654.5	3878	405.41	3320.5	2616	218.63	NEW HAVEN	79.2	106	371.51	83.0	73	243.99
1927.6	3344	481.41	2775.7	2257	229.65	NEW ORLEANS	706.4	933	366.56	935.4	818	242.67
383.0	562	407.20	434.8	270	172.34	NEWPORT NEWS	165.1	230	386.71	162.1	151	258.51
41076.9	67042	452.93	50771.8	44810	255.96	NEW YORK	3028.1	3898	357.23	3809.4	3177	231.44
977.8	1634	463.74	1303.5	840	178.84	NORFOLK	389.2	436	310.88	447.2	301	186.79
140.6	153	301.92	164.7	52	99.72	ODESSA	6.7	7	288.95	6.8	0	0.00
337.3	398	327.44	381.8	205	149.02	OGDEN	9.9	8	223.60	5.7	4	193.09
1619.1	1620	277.66	2097.8	934	123.56	OKLAHOMA CITY	134.8	50	102.90	143.1	44	85.32
1633.0	2252	382.71	2030.2	1305	189.85	OMAHA	85.2	145	472.49	96.2	96	277.02
1085.1	1262	322.76	1284.4	614	132.23	ORLANDO	137.1	135	273.25	140.5	79	156.01
4394.0	6145	388.09	5511.3	4027	202.77	PATERSON	91.3	114	346.64	113.5	92	225.03
403.0	609	419.32	483.3	304	174.56	PENSACOLA	87.3	121	384.72	109.2	87	221.19
1103.0	1445	363.55	1393.6	908	180.82	PEORIA	25.5	32	348.25	27.7	20	200.29
14574.7	22421	426.91	19150.3	14514	210.32	PHILADELPHIA	1865.9	2416	359.32	2182.4	1706	216.93
2064.6	2399	322.45	2211.1	1127	161.45	PHOENIX	108.7	85	217.04	83.[illegible]	38	126.17
9398.9	13951	411.91	10870.9	9001	224.78	PITTSBURGH	594.2	733	342.36	568.4	502	245.07
628.9	1025	452.31	864.6	631	202.54	PITTSFIELD	6.5	7	298.72	7.2	8	309.25
816.4	1164	395.65	1143.3	865	209.96	PORTLAND MAINE	2.6	6	638.51	2.9	1	95.14
3819.7	4948	357.49	4606.4	2695	162.36	PORTLAND OREG.	79.5	90	314.10	56.0	28	138.64
3080.9	4939	444.88	4136.7	3622	242.98	PROVIDENCE	46.0	70	422.65	47.1	42	247.53
280.6	268	265.04	327.6	150	127.05	PROVO	1.0	1	285.10	0.7	0	0.00
487.1	499	284.29	558.0	293	145.73	PUEBLO	13.7	10	203.27	13.6	8	163.80
545.9	780	396.48	641.1	496	214.70	RACINE	7.1	14	- - -	6.4	7	305.72
356.3	443	345.02	478.2	244	141.59	RALEIGH	114.7	81	196.03	145.6	63	120.11
1288.7	1801	387.84	1557.9	1219	217.14	READING	13.7	18	364.20	14.1	12	236.35
315.5	546	480.33	305.0	202	183.78	RENO	9.8	14	395.73	6.8	9	368.56
1023.3	1560	423.07	1555.6	920	164.12	RICHMOND	314.0	369	326.10	380.5	237	172.87
527.1	630	331.68	703.5	416	164.09	ROANOKE	69.7	80	318.40	82.1	38	128.51
2485.1	3890	434.39	3289.5	2896	244.39	ROCHESTER	40.3	55	378.54	43.4	39	249.36
748.8	991	367.25	906.8	588	179.94	ROCKFORD	15.6	17	303.31	17.8	12	187.44
1549.6	2444	438.03	1690.4	1177	193.22	SACRAMENTO	110.5	123	308.78	68.9	46	185.33
628.3	861	380.29	751.6	528	194.94	SAGINAW	31.5	42	370.24	30.9	32	237.29
500.7	579	320.88	667.4	409	170.07	ST. JOSEPH	15.8	23	403.01	20.2	14	192.79
6929.5	9292	372.12	9392.4	6653	196.57	ST. LOUIS	940.9	1008	297.31	1094.8	754	191.13
1153.0	1141	274.63	1432.7	680	131.71	SALT LAKE CITY	23.1	15	179.93	12.6	4	88.22
237.9	266	310.34	293.3	153	144.25	SAN ANGELO	11.9	13	304.19	14.0	10	198.32
1831.4	2051	310.78	2444.2	1177	133.63	SAN ANTONIO	130.4	134	285.19	176.5	73	114.80
3239.1	3644	312.20	3665.7	1875	141.95	SAN BERNARDINO	100.7	68	187.46	94.2	50	147.30
3097.1	3876	347.31	3965.6	2356	164.73	SAN DIEGO	94.0	96	283.42	90.0	55	169.58
9891.2	13307	373.35	12729.7	8381	182.71	SAN FRANCISCO	844.8	787	258.52	680.7	363	148.00
1845.1	2259	339.77	2424.6	1225	140.21	SAN JOSE	60.8	35	159.72	43.0	16	103.15
609.1	729	332.15	811.8	461	157.59	SANTA BARBARA	20.7	13	173.98	14.3	7	135.48
328.6	527	445.06	490.7	280	161.64	SAVANNAH	173.0	281	450.76	232.4	146	174.34
1083.3	1733	443.95	1413.4	1184	232.47	SCRANTON	3.5	4	312.98	4.3	3	191.76
4601.0	5781	364.53	5214.1	3163	168.28	SEATTLE	182.7	178	270.34	115.1	52	124.25
563.2	769	378.89	728.5	374	142.46	SHREVEPORT	334.1	264	219.29	411.0	224	151.26
517.2	625	335.33	600.1	336	155.39	SIOUX CITY	6.5	8	339.61	6.6	3	126.89
334.5	414	343.43	395.8	220	154.23	SIOUX FALLS	1.9	0	0.00	1.9	1	143.96
849.9	1149	375.18	1013.7	688	188.31	SOUTH BEND	36.2	34	260.67	34.7	20	159.99
1294.9	1556	333.47	1457.0	809	154.09	SPOKANE	17.9	15	232.20	13.5	9	185.20
646.6	1023	439.03	857.9	687	222.34	SPRINGFIELD I.	27.1	33	337.93	31.9	34	295.65
583.8	716	340.33	766.4	398	144.12	SPRINGFIELD MO	12.7	11	239.76	14.5	4	76.68
511.7	648	351.45	652.9	385	163.65	SPRINGFIELD O.	46.0	43	259.51	58.0	26	124.32
2150.9	3246	418.81	2929.8	2187	207.15	SPRINGFIELD MA	30.4	41	374.43	37.5	36	266.33
659.5	1020	432.96	671.0	553	228.70	STEUBENVILLE	25.5	47	512.03	23.8	26	302.89
1038.0	1271	339.79	1023.4	596	161.62	STOCKTON	125.3	96	212.66	51.8	13	69.59
2256.1	3493	429.66	2837.6	2418	236.48	SYRACUSE	28.0	48	475.58	28.8	30	288.73
1296.0	1724	369.15	1476.1	964	181.48	TACOMA	23.6	30	353.10	18.6	13	193.69
4875.0	5270	300.00	5323.4	2606	135.85	TAMPA	246.8	211	237.30	268.0	158	163.59
518.8	672	359.44	651.8	397	169.04	TERRE HAUTE	22.9	22	266.92	25.6	18	194.93
319.2	272	236.46	379.9	175	129.21	TEXARKANA	101.4	38	103.98	110.7	38	95.22
1754.5	2468	390.36	2616.2	1386	173.55	TOLEDO	118.4	127	297.69	124.6	66	146.99
524.5	559	295.79	716.6	332	128.57	TOPEKA	41.8	32	212.27	45.0	21	129.52
960.7	1462	416.54	1213.4	957	218.88	TRENTON	76.8	94	339.51	79.4	62	216.74
814.1	979	333.74	935.8	504	149.47	TUCSON	51.1	30	163.04	44.8	21	130.05
1377.7	1673	336.99	1726.1	930	149.52	TULSA	139.6	113	224.63	159.3	90	156.83
279.1	240	238.66	338.4	139	113.98	TUSCALOOSA	93.9	75	221.76	105.5	65	170.99
252.5	354	389.00	312.8	151	133.95	TYLER	84.3	61	200.91	93.5	54	160.25
1531.3	2180	395.06	1894.8	1412	206.80	UTICA	11.0	14	353.17	9.5	11	320.47
516.0	592	318.39	651.4	304	129.51	WACO	95.7	45	130.46	113.7	39	95.18
4181.0	5687	377.47	6264.9	3657	161.99	WASHINGTON	1194.6	1327	308.26	1445.5	1034	198.50
444.8	552	344.41	559.0	315	156.37	WATERLOO	11.6	12	288.26	10.6	3	78.71
1065.5	1226	319.32	1179.8	552	129.84	W. PALM BEACH	138.6	136	272.22	107.5	64	165.15
959.5	1327	383.79	1132.9	856	209.67	WHEELING	25.6	36	390.47	23.4	17	201.75
945.1	1131	332.09	1259.2	695	153.17	WICHITA	49.9	67	261.41	50.6	32	175.36
399.3	478	332.19	485.2	241	137.84	WICHITA FALLS	25.5	40	435.69	26.6	22	229.20
1552.4	2204	394.00	2013.9	1572	216.62	WILKES-BARRE	4.4	11	696.74	4.7	4	238.71
1099.8	1514	382.01	1397.4	967	192.04	WILMINGTON	139.3	157	312.84	134.7	105	216.39
389.8	577	410.80	530.1	321	168.05	WINSTON-SALEM	119.8	161	373.02	158.8	141	246.39
2679.9	4209	435.80	3549.9	2938	229.68	WORCESTER	14.0	7	138.48	14.8	11	206.38
986.1	1212	341.08	1197.8	689	159.63	YORK	13.8	14	281.57	14.9	10	136.64
1870.4	2381	353.26	2060.0	1411	190.08	YOUNGSTOWN	138.6	146	292.36	123.4	72	161.95
384,246.0	540524	390.38	487,480.4	340934	194.08	TOTAL 201 SMSA	34680.2	37166	297.40	38978.4	27040	192.51

ALL AGE STANDARD RATE = 277.51

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CHRONIC ENDOCARDITIS NOT SPECIFIED AS RHEUMATIC, AND OTHER MYOCARDIAL DEGENERATION (I.S.C. 421,422)

WHITE MALE EXP.	OBS.	RATE	WHITE FEMALE EXP.	OBS.	RATE	SMSA	NON-WHITE MALE EXP.	OBS.	RATE	NON-WHITE FEMALE EXP.	OBS.	RATE
40.0	71	19.10	57.8	17	9.32	ABILENE	1.6	1	10.11	1.8	3	47.91
167.3	133	23.00	214.0	143	19.15	AKRON	8.7	7	23.31	9.5	9	26.98
8.5	7	23.71	11.8	9	22.19	ALBANY GA	7.1	6	24.36	10.4	3	8.38
297.1	302	29.41	422.3	306	27.12	ALBANY NY	6.3	9	40.83	6.9	3	17.46
56.5	51	27.07	67.1	63	18.56	ALBUQUERQUE	1.4	1	20.53	1.4	1	19.97
214.2	360	49.83	288.0	667	65.37	ALLENTOWN	1.1	6	155.09	1.3	0	0.00
71.0	67	27.32	93.8	59	18.20	ALTOONA	0.4	0	0.00	0.6	0	0.00
35.1	38	31.39	47.5	35	21.33	AMARILLO	1.3	5	88.56	1.6	2	35.76
48.3	33	21.30	73.8	36	14.11	ANN ARBOR	2.7	2	21.19	3.1	6	55.51
51.0	66	26.37	68.6	66	27.07	ASHEVILLE	5.0	5	25.48	7.4	19	74.06
212.7	209	27.61	341.6	229	14.38	ATLANTA	56.9	122	66.25	80.4	187	38.52
78.9	113	41.46	105.8	128	35.01	ATLANTIC CITY	13.0	19	22.38	15.2	23	43.76
36.3	38	29.53	33.5	60	32.65	AUGUSTA	18.3	38	55.97	25.2	65	51.65
60.0	66	20.73	87.0	69	18.29	AUSTIN	10.0	12	32.07	14.3	6	12.13
86.9	63	16.65	90.6	22	7.02	BAKERSFIELD	0.9	4	16.78	6.6	0	0.00
696.2	2006	127.63	680.2	2099	87.57	BALTIMORE	87.0	567	181.86	103.9	301	106.19
31.6	35	31.80	67.5	61	26.90	BATON ROUGE	21.5	39	52.53	26.2	27	20.87
38.5	42	31.53	69.7	81	18.41	BAY CITY	0.2	1	132.38	0.2	1	161.58
66.9	76	33.02	86.7	65	15.30	BEAUMONT	16.4	19	33.49	15.7	17	29.02
27.7	10	19.02	30.5	9	8.52	BILLINGS	0.3	0	0.00	0.3	0	0.00
88.7	65	14.68	173.9	69	11.46	BINGHAMTON	0.7	1	43.28	0.6	0	0.00
137.8	232	48.70	196.3	191	28.15	BIRMINGHAM	67.3	319	137.16	88.6	207	93.88
1344.2	909	21.41	2082.6	1369	14.02	BOSTON	27.6	21	22.05	33.3	21	18.26
253.2	161	18.60	348.3	187	15.53	BRIDGEPORT	6.9	2	8.43	8.0	4	16.56
110.0	110	26.75	160.9	132	22.48	BROCKTON	2.9	1	9.39	1.9	0	0.00
39.3	47	34.01	66.1	27	14.96	BROWNSVILLE	0.4	0	0.00	0.3	0	0.00
677.6	948	36.41	633.1	660	30.14	BUFFALO	16.5	21	36.75	16.7	15	24.06
140.4	112	23.07	177.4	121	14.70	CANTON	4.6	3	16.92	4.6	3	19.07
38.8	52	25.59	93.2	59	20.51	CEDAR RAPIDS	0.5	0	0.00	0.5	0	0.00
37.0	60	34.35	52.0	65	39.54	CHAMPAIGN	1.0	1	14.23	1.8	3	57.40
27.5	10	13.98	63.7	20	13.25	CHARLESTON SC	12.9	12	26.91	21.7	29	38.61
76.0	80	30.67	91.5	66	20.24	CHARLESTON WVA	6.3	9	41.08	6.6	16	61.83
50.3	46	26.98	81.8	93	18.73	CHARLOTTE	13.0	34	72.25	16.5	26	60.62
79.3	58	21.16	107.6	96	29.28	CHATTANOOGA	15.3	26	63.02	20.2	13	18.47
2016.6	2577	37.01	2477.6	3010	37.52	CHICAGO	206.6	566	71.15	266.6	625	73.37
380.6	626	32.28	588.2	970	28.92	CINCINNATI	61.5	67	20.28	66.9	62	27.07
595.1	486	21.69	791.9	517	18.90	CLEVELAND	94.3	66	22.45	71.0	52	21.19
46.4	9	5.61	70.9	11	6.40	COLORADO SPRGS	1.0	1	30.32	1.9	0	0.00
45.4	66	28.06	72.2	66	29.66	COLUMBIA	16.9	23	33.37	23.9	15	18.90
28.7	20	29.25	66.1	36	21.36	COLUMBUS GA	13.3	18	33.19	20.8	16	19.46
203.8	129	18.31	306.3	189	17.67	COLUMBUS OHIO	24.3	22	25.53	27.8	16	16.83
46.5	36	22.60	56.6	26	12.26	CORPUS CHRISTI	2.0	3	42.62	2.9	2	20.19
282.9	202	27.06	426.1	212	16.66	DALLAS	46.1	27	17.72	47.6	30	18.24
116.1	136	33.08	156.8	167	27.67	DAVENPORT	1.8	6	63.25	1.6	3	54.22
211.2	266	36.16	286.1	303	30.66	DAYTON	17.9	16	25.83	19.0	25	38.01
51.3	66	25.93	71.5	72	29.21	DECATUR	1.5	1	17.36	1.7	5	88.03
321.5	191	17.18	459.9	183	12.15	DENVER	13.7	19	26.30	12.8	5	11.33
103.6	52	16.53	153.9	66	12.03	DES MOINES	4.2	1	6.88	5.0	4	22.96
1091.3	838	26.31	1253.7	817	18.78	DETROIT	115.7	87	21.76	132.7	88	19.19
35.1	26	21.46	55.3	29	15.17	DUBUQUE	0.0	0	0.00	0.0	0	0.00
147.9	126	24.06	199.0	110	21.21	DULUTH	0.8	1	36.03	0.6	0	0.00
21.9	16	19.29	35.9	17	13.86	DURHAM	8.9	8	25.96	12.0	4	9.62
80.7	60	23.57	82.0	58	20.82	EL PASO	1.8	2	31.36	1.6	1	20.44
102.3	92	26.01	131.3	130	29.65	ERIE	1.3	0	0.00	1.4	1	20.15
62.3	26	11.16	77.1	21	9.47	EUGENE	0.2	0	0.00	0.1	1	278.56
80.3	86	33.39	116.2	106	28.35	EVANSVILLE	6.6	8	36.85	6.9	3	37.58
182.2	138	21.46	277.0	138	16.41	FALL RIVER	2.5	1	11.72	2.0	2	28.40
41.3	15	17.92	47.6	17	10.32	FARGO	0.0	0	0.00	0.1	0	0.00
102.9	56	19.74	127.8	40	11.31	FLINT	5.0	3	17.36	5.9	3	16.81
146.1	63	12.69	151.8	66	8.30	FT. LAUDERDALE	7.9	8	23.22	8.2	8	28.30
30.1	17	11.56	39.9	13	9.62	FORT SMITH	2.4	2	24.61	2.7	2	21.08
80.0	102	36.61	114.8	116	28.72	FORT WAYNE	2.0	5	72.24	2.6	4	47.59
162.1	120	21.41	227.9	141	20.43	FORT WORTH	18.5	7	10.95	21.9	10	13.22
128.0	88	23.11	147.3	91	17.87	FRESNO	13.0	6	11.12	7.2	3	12.11
28.1	36	34.96	36.3	15	11.95	GADSDEN	4.0	8	58.58	5.0	2	11.86
32.6	67	41.77	47.4	23	16.39	GALVESTON	8.1	17	60.69	8.9	13	42.95
147.3	101	19.43	157.8	103	18.88	GARY	17.5	23	37.97	18.3	19	30.10
190.3	118	26.50	196.0	176	18.69	GRAND RAPIDS	3.5	4	33.27	3.9	3	22.93
27.1	36	36.26	27.1	40	38.42	GREAT FALLS	0.3	1	101.98	0.3	0	0.00
45.6	50	31.86	57.1	66	29.31	GREEN BAY	0.4	1	71.10	0.5	1	56.44
53.0	63	23.40	77.8	47	17.55	GREENSBORO	10.9	18	47.69	13.7	24	50.57
45.2	41	26.26	66.0	93	24.26	GREENVILLE	8.7	21	70.07	11.7	12	29.67
63.2	101	66.27	96.1	81	27.85	HAMILTON	3.1	12	112.72	2.9	5	50.11
136.8	240	53.22	187.0	265	35.98	HARRISBURG	6.4	12	54.59	9.0	13	47.00
296.8	152	17.12	669.5	181	15.81	HARTFORD	5.8	7	35.15	7.1	8	32.73
26.8	26	28.07	36.4	28	23.52	HONOLULU	86.8	46	15.69	66.3	41	17.88
243.7	308	36.60	396.6	255	22.05	HOUSTON	55.8	100	56.98	67.4	98	42.08
108.5	107	28.52	131.3	102	22.67	HUNTINGTON	4.6	5	31.25	4.3	5	33.63
21.1	21	28.78	27.4	25	26.42	HUNTSVILLE	6.6	16	61.16	8.1	9	31.95
218.0	168	22.28	372.2	207	18.59	INDIANAPOLIS	33.6	18	15.59	38.4	22	16.59
52.6	39	19.34	79.0	41	16.73	JACKSON MICH	2.0	1	14.29	1.5	0	0.00
30.6	27	20.77	44.0	28	16.58	JACKSON MISS	22.3	24	31.10	24.1	13	13.38
92.0	69	21.70	133.3	103	21.70	JACKSONVILLE	28.0	64	46.08	35.0	59	48.71
245.5	776	91.19	517.5	693	41.02	JERSEY CITY	7.6	48	181.73	9.6	20	60.46
133.9	196	41.92	167.6	166	37.15	JOHNSTOWN	1.2	1	24.66	1.1	1	25.65
61.1	88	26.09	83.0	60	20.49	KALAMAZOO	1.7	4	69.64	1.8	2	32.27
386.6	296	23.38	536.4	362	19.06	KANSAS CITY	46.3	169	105.54	52.1	113	62.75
39.9	28	20.30	67.8	19	9.49	KENOSHA	0.2	0	0.00	0.2	0	0.00
111.2	65	16.31	151.6	86	16.63	KNOXVILLE	9.6	10	30.02	12.5	4	9.27
26.2	17	16.39	31.5	7	8.43	LAKE CHARLES	7.9	6	21.98	8.0	2	7.23
126.2	296	99.15	181.0	224	39.63	LANCASTER	1.3	1	23.02	1.2	0	0.00
106.7	57	19.31	140.6	76	15.29	LANSING	1.6	1	18.12	1.5	1	19.33
17.9	8	8.07	26.1	7	8.61	LAREDO	0.0	0	0.00	0.1	0	0.00
28.3	33	33.76	24.7	29	31.46	LAS VEGAS	1.7	4	66.70	1.6	1	20.30
18.9	21	32.18	22.7	18	22.93	LAWTON	1.9	2	30.51	2.1	1	13.66
60.1	62	46.75	93.6	97	27.77	LEXINGTON	9.4	11	33.79	11.0	13	34.27
66.0	61	40.00	56.1	66	33.00	LIMA	1.7	0	0.00	1.7	5	82.99
65.3	67	27.40	87.0	86	26.42	LINCOLN	0.8	0	0.00	0.7	1	39.98
70.4	21	8.03	87.1	19	9.66	LITTLE ROCK	23.0	20	25.14	26.2	8	8.83
69.2	70	33.09	88.9	66	22.05	LORAIN	3.2	1	9.18	3.2	0	0.00
2373.9	4711	99.19	3934.7	4094	33.51	LOS ANGELES	134.4	230	40.52	150.0	210	40.90

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CHRONIC ENDOCARDITIS NOT SPECIFIED AS RHEUMATIC, AND OTHER MYOCARDIAL DEGENERATION (I.S.C. 421,422)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
223.1	171	22.17	340.6	218	18.52	LOUISVILLE	32.1	35	27.01	39.1	29	21.63
34.2	29	24.52	44.3	30	19.57	LUBBOCK	2.3	5	61.82	1.9	1	14.89
33.7	77	66.07	50.7	74	42.26	LYNCHBURG	8.8	27	88.70	10.7	34	92.08
29.5	29	28.44	47.6	48	29.28	MACON	13.3	33	71.66	22.0	32	42.15
79.4	65	23.69	110.0	75	19.73	MADISON	0.5	0	0.00	0.5	0	0.00
78.2	73	27.00	116.9	95	23.50	MANCHESTER	0.2	0	0.00	0.1	0	0.00
114.7	72	18.17	198.1	118	18.15	MEMPHIS	79.9	58	21.00	92.6	66	20.61
378.9	221	16.87	421.3	198	13.60	MIAMI	20.8	22	30.62	22.9	7	8.84
9.2	6	18.76	12.0	4	9.63	MIDLAND	0.9	1	33.27	1.0	1	30.32
634.3	329	21.92	579.1	317	15.84	MILWAUKEE	10.1	6	17.22	9.1	3	9.50
555.9	336	17.49	783.4	352	13.00	MINNEAPOLIS	8.0	3	10.85	8.4	4	13.79
55.5	68	35.43	70.4	85	30.96	MOBILE	23.0	63	79.17	32.5	71	63.27
23.3	19	23.61	29.2	19	18.82	MONROE	13.0	13	29.00	14.5	13	25.88
27.4	21	22.19	46.7	33	20.43	MONTGOMERY	19.0	25	38.08	30.1	19	18.23
41.5	18	12.55	54.8	20	10.56	MUNCIE	2.2	2	26.81	2.0	2	29.57
48.6	37	22.02	58.7	19	9.36	MUSKEGON	2.3	2	25.51	2.2	0	0.00
107.8	141	37.84	167.8	179	30.86	NASHVILLE	26.9	109	117.35	33.5	105	90.61
601.7	851	40.91	867.6	1060	35.35	NEWARK	47.2	112	68.71	62.6	116	53.62
272.3	183	19.44	364.9	215	17.04	NEW HAVEN	8.4	7	24.13	8.5	3	10.20
182.5	186	29.49	295.8	190	18.58	NEW ORLEANS	67.3	136	58.43	96.9	146	43.59
36.4	26	20.67	45.6	29	18.40	NEWPORT NEWS	15.6	20	37.05	16.1	22	39.64
3960.9	3039	22.20	5222.1	3560	19.72	NEW YORK	269.3	350	37.59	360.9	429	34.38
92.9	123	38.31	137.2	151	31.83	NORFOLK	37.7	113	86.64	44.7	114	73.83
11.6	5	12.50	13.4	3	6.48	ODESSA	0.5	0	0.00	0.6	0	0.00
34.2	43	36.39	40.5	25	17.87	OGDEN	1.1	1	26.87	0.5	1	59.08
165.8	122	21.29	230.6	104	13.05	OKLAHOMA CITY	14.3	8	16.18	14.5	9	17.98
167.9	139	23.95	225.0	145	18.64	OMAHA	8.8	13	42.83	10.7	10	27.02
114.6	125	31.57	140.7	130	26.72	ORLANDO	13.3	27	58.51	14.2	27	54.83
427.5	512	34.64	580.1	507	25.28	PATERSON	8.4	16	55.12	10.9	16	42.62
39.4	16	11.75	51.2	37	20.91	PENSACOLA	9.0	15	48.12	11.3	25	63.75
114.0	122	30.96	156.1	141	26.13	PEORIA	2.7	3	32.48	2.9	3	30.03
1451.8	2787	55.59	2073.2	3519	49.10	PHILADELPHIA	176.2	285	46.79	218.1	291	38.60
202.8	309	43.52	224.6	151	19.45	PHOENIX	10.9	23	60.80	8.4	7	24.23
951.4	842	25.60	1162.0	890	22.16	PITTSBURGH	56.6	69	35.27	56.8	49	24.98
66.7	38	16.48	99.7	34	9.86	PITTSFIELD	0.8	0	0.00	0.9	0	0.00
88.6	143	46.69	134.3	141	30.38	PORTLAND MAINE	0.3	1	106.26	0.3	0	0.00
400.8	327	23.60	514.0	295	16.60	PORTLAND OREG.	7.9	6	21.95	5.3	3	16.41
316.1	186	16.84	455.6	287	18.23	PROVIDENCE	4.8	2	12.05	5.1	2	11.26
28.7	34	34.32	35.7	61	49.48	PROVO	0.1	0	0.00	0.1	0	0.00
52.9	23	12.59	64.9	24	10.70	PUEBLO	1.6	1	17.77	1.5	1	19.11
56.0	16	9.26	59.8	27	11.19	RACINE	0.6	0	0.00	0.6	1	51.85
35.0	34	28.13	50.4	31	17.79	RALEIGH	11.5	19	47.86	15.5	19	35.55
132.2	154	33.70	168.3	169	29.04	READING	1.3	4	88.56	1.4	1	20.79
31.0	23	21.49	31.3	33	30.50	RENO	1.0	0	0.00	0.7	1	44.24
101.8	113	32.10	170.9	170	28.78	RICHMOND	30.8	59	55.43	37.8	87	66.51
53.1	37	20.15	77.7	56	20.84	ROANOKE	6.7	12	51.94	8.3	7	24.50
256.5	145	16.35	349.7	174	13.62	ROCHESTER	3.7	0	0.00	4.1	0	0.00
75.6	49	18.76	99.7	58	16.83	ROCKFORD	1.5	0	0.00	1.9	0	0.00
154.[illegible]	170	31.79	181.6	135	21.51	SACRAMENTO	10.9	11	29.33	6.2	4	18.57
64.7	33	14.75	82.8	40	13.97	SAGINAW	2.6	4	45.26	2.9	3	29.52
55.4	44	22.96	77.7	37	13.78	ST. JOSEPH	1.8	2	31.91	2.4	2	24.04
700.3	1110	45.85	1033.9	1167	32.65	ST. LOUIS	93.9	125	38.51	114.2	115	29.12
117.5	110	27.08	157.1	141	25.96	SALT LAKE CITY	2.5	8	92.80	1.1	0	0.00
24.8	8	9.32	32.0	6	5.43	SAN ANGELO	1.2	0	0.00	1.4	1	20.85
183.8	202	31.79	265.[illegible]	214	23.34	SAN ANTONIO	12.5	24	55.42	18.9	3[illegible]	50.40
340.8	247	20.97	400.[illegible]	189	13.64	SAN BERNARDINO	9.8	7	20.58	10.1	14	40.05
318.7	218	19.79	437.3	229	15.15	SAN DIEGO	8.8	11	36.30	8.8	9	29.51
988.9	991	28.99	1392.1	1070	22.23	SAN FRANCISCO	74.7	55	21.30	62.5	69	31.95
189.0	98	15.00	271.6	125	13.31	SAN JOSE	6.1	1	4.75	4.2	0	0.00
63.4	19	8.66	91.0	38	12.08	SANTA BARBARA	1.9	2	30.64	1.5	0	0.00
31.6	37	33.87	51.2	46	25.97	SAVANNAH	16.4	35	61.81	23.5	34	41.82
108.4	335	89.43	148.6	335	65.24	SCRANTON	0.3	2	176.09	0.5	1	63.29
461.5	413	25.89	576.8	415	20.81	SEATTLE	18.3	12	18.97	11.4	6	15.17
56.2	39	20.08	77.9	34	12.63	SHREVEPORT	36.2	63	50.36	45.5	51	32.41
56.3	81	41.62	67.0	57	24.63	SIOUX CITY	0.7	1	42.91	0.7	1	42.22
35.4	17	13.87	43.2	15	10.06	SIOUX FALLS	0.2	1	118.43	0.3	0	0.00
86.4	36	11.38	102.6	49	13.05	SOUTH BEND	3.4	4	34.01	3.3	0	0.00
143.3	123	24.84	166.7	108	18.75	SPOKANE	1.8	0	0.00	1.4	1	20.62
68.7	68	28.63	96.4	79	23.71	SPRINGFIELD I.	3.0	2	19.28	3.6	4	31.93
64.4	87	39.00	88.8	72	23.45	SPRINGFIELD MO	1.4	2	40.64	1.7	8	135.46
56.4	53	27.17	74.1	54	20.54	SPRINGFIELD O.	4.7	8	48.85	6.5	2	8.95
221.1	145	18.98	326.4	149	13.21	SPRINGFIELD MA	3.0	1	9.81	3.9	0	0.00
67.2	98	42.19	71.5	102	41.27	STEUBENVILLE	2.4	0	0.00	2.2	5	65.00
107.8	78	20.93	119.9	93	13.82	STOCKTON	11.8	3	7.34	5.0	2	11.67
235.5	267	32.60	321.7	290	26.08	SYRACUSE	2.6	1	10.93	3.1	0	0.00
138.6	129	25.67	164.5	135	23.75	TACOMA	2.2	1	12.94	1.8	1	15.81
526.5	328	18.02	575.4	305	15.34	TAMPA	24.2	35	41.80	27.0	36	38.58
56.0	123	63.57	73.7	147	57.70	TERRE HAUTE	2.4	3	36.92	2.8	2	20.63
33.3	29	25.23	41.4	26	18.17	TEXARKANA	11.0	5	13.20	12.2	5	11.87
176.9	183	29.93	242.7	273	32.54	TOLEDO	11.4	13	33.10	12.5	10	23.12
57.1	21	10.63	83.4	53	18.38	TOPEKA	4.7	8	49.11	4.8	4	24.16
94.5	154	47.12	129.7	173	38.60	TRENTON	7.2	9	36.10	7.9	4	14.72
78.2	61	22.56	94.1	51	15.67	TUCSON	5.2	1	5.53	4.7	1	6.16
141.8	117	23.86	187.4	103	15.90	TULSA	14.6	6	11.89	17.3	17	28.38
28.3	17	17.40	36.8	20	15.70	TUSCALOOSA	10.3	15	42.21	11.0	14	36.67
25.6	32	36.19	33.7	34	29.18	TYLER	8.8	11	35.96	10.0	12	34.79
164.8	241	42.31	219.4	293	38.81	UTICA	1.0	0	0.00	0.9	3	92.27
53.4	33	17.89	74.5	38	15.16	WACO	10.2	10	28.33	12.8	9	20.42
398.8	354	25.68	677.2	516	22.04	WASHINGTON	113.5	157	40.00	147.1	200	39.33
47.4	38	23.20	63.7	51	23.18	WATERLOO	1.1	1	25.62	1.1	1	26.10
110.5	61	15.97	124.3	77	17.93	W. PALM BEACH	13.0	16	35.61	10.0	3	8.69
103.5	113	31.59	129.4	116	25.93	WHEELING	2.9	3	29.83	2.7	3	32.71
96.6	71	21.27	138.8	53	11.05	WICHITA	5.2	4	22.28	5.3	0	0.00
41.4	31	21.69	51.8	26	14.53	WICHITA FALLS	2.5	0	0.00	2.5	0	0.00
150.4	369	70.96	209.3	413	57.08	WILKES-BARRE	0.4	3	209.31	0.5	0	0.00
110.3	205	53.78	152.5	214	40.61	WILMINGTON	13.6	35	74.51	13.4	39	83.98
37.6	16	12.31	55.4	26	13.58	WINSTON-SALEM	11.0	5	13.18	15.6	11	20.35
282.9	246	25.15	405.2	267	19.06	WORCESTER	1.6	1	18.51	1.7	1	16.58
103.0	181	50.85	132.0	215	47.13	YORK	1.3	5	108.74	1.5	6	113.37
190.6	228	34.60	220.0	176	23.14	YOUNGSTOWN	13.1	12	26.43	11.7	11	27.23
38548.5	42326	31.76	52730.8	45316	24.86	TOTAL 201 SMSA	3339.4	5636	48.82	3927.3	5306	39.08

ALL AGE STANDARD RATE = 28.93

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER DISEASES OF HEART (I.S.C. 430-434)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
15.9	44	31.25	19.6	21	12.23	ABILENE	0.7	5	84.68	0.7	2	31.50
71.2	108	16.62	83.7	85	11.45	AKRON	4.3	9	23.84	4.5	7	17.70
4.3	9	21.00	5.2	3	6.55	ALBANY GA	2.8	8	32.32	4.0	9	25.42
115.3	63	6.16	149.3	56	4.23	ALBANY NY	1.9	0	0.00	2.1	1	5.45
25.6	49	21.12	29.1	38	14.73	ALBUQUERQUE	0.7	2	32.36	0.7	3	49.98
85.0	62	8.23	103.8	64	6.95	ALLENTOWN	0.5	1	21.50	0.5	1	20.84
26.4	43	18.34	32.9	32	10.97	ALTOONA	0.2	1	63.58	0.2	1	52.53
15.9	53	37.59	19.3	23	13.66	AMARILLO	0.7	6	92.31	0.8	2	29.62
20.0	18	10.16	26.3	25	10.73	ANN ARBOR	1.4	2	16.52	1.4	0	0.00
19.7	52	29.81	24.5	34	15.64	ASHEVILLE	2.3	17	84.50	2.8	22	88.91
94.5	133	15.87	130.7	111	9.58	ATLANTA	24.4	76	35.17	33.0	64	21.88
29.2	39	15.08	36.8	30	9.18	ATLANTIC CITY	5.0	7	15.77	5.8	9	17.54
16.2	23	15.99	21.1	14	7.49	AUGUSTA	7.4	31	46.96	9.9	27	30.88
24.6	45	20.65	31.5	30	10.75	AUSTIN	3.9	19	54.78	5.1	17	37.44
36.3	29	9.01	37.0	23	7.01	BAKERSFIELD	3.0	2	7.45	2.0	0	0.00
194.5	281	16.29	254.3	245	10.96	BALTIMORE	41.1	82	22.49	45.3	72	17.94
15.5	37	26.93	19.7	33	18.91	BATON ROUGE	8.5	50	66.46	10.2	59	65.51
15.2	10	7.29	18.1	17	10.58	BAY CITY	0.1	0	0.00	0.1	0	0.00
29.8	67	25.33	34.5	68	22.22	BEAUMONT	7.4	18	27.54	7.5	22	32.93
11.1	20	20.25	11.8	5	4.76	BILLINGS	0.1	0	0.00	0.1	0	0.00
35.1	22	7.06	44.3	10	2.55	BINGHAMTON	0.3	1	43.70	0.2	0	0.00
58.0	109	21.00	74.9	66	9.94	BIRMINGHAM	28.3	90	35.84	35.0	71	22.85
519.2	699	15.18	722.1	589	9.06	BOSTON	11.5	17	16.69	12.9	14	12.19
102.5	83	9.13	127.9	52	4.59	BRIDGEPORT	3.3	2	6.86	3.8	4	12.00
44.1	97	24.83	57.2	61	12.03	BROCKTON	1.0	0	0.00	0.7	0	0.00
16.5	87	59.62	19.6	47	28.82	BROWNSVILLE	0.2	3	194.75	0.1	1	- - -
195.8	98	5.65	237.1	91	4.33	BUFFALO	8.5	5	6.60	8.3	6	9.13
56.4	66	13.26	63.9	45	7.95	CANTON	2.1	6	32.15	2.1	3	16.33
22.2	37	16.22	28.6	20	7.90	CEDAR RAPIDS	0.2	0	0.00	0.2	2	100.91
14.8	21	15.98	19.0	13	7.73	CHAMPAIGN	0.7	2	31.26	0.7	1	15.72
13.4	12	10.08	17.6	9	5.77	CHARLESTON SC	6.4	19	31.68	9.2	18	22.05
32.0	42	14.82	36.5	28	8.65	CHARLESTON WVA	2.5	4	18.21	2.6	1	4.27
23.2	22	10.60	32.1	18	6.33	CHARLOTTE	6.4	9	15.93	8.0	7	9.89
32.7	58	20.03	41.3	50	13.67	CHATTANOOGA	6.5	24	41.47	8.2	19	26.04
850.7	1559	20.66	1026.0	762	8.37	CHICAGO	97.2	467	54.20	109.1	291	30.07
150.8	178	13.09	207.3	177	9.63	CINCINNATI	17.4	40	25.99	18.0	43	25.64
246.6	254	11.70	301.1	218	8.16	CLEVELAND	28.3	35	13.97	31.4	27	9.68
18.3	12	7.39	24.7	21	9.59	COLORADO SPRGS	0.5	0	0.00	0.6	0	0.00
20.7	28	15.27	27.5	28	11.46	COLUMBIA	7.6	19	28.32	9.4	27	32.42
14.2	33	26.13	18.9	33	19.73	COLUMBUS GA	6.0	20	37.59	8.5	31	40.89
83.0	159	21.60	110.6	134	13.66	COLUMBUS OHIO	10.6	41	43.56	11.3	21	20.94
21.7	29	15.06	24.2	26	12.10	CORPUS CHRISTI	1.1	1	10.72	1.3	3	26.69
121.3	212	19.71	160.4	153	10.76	DALLAS	18.5	66	40.12	20.0	50	28.20
45.2	65	16.23	54.8	36	7.41	DAVENPORT	0.8	0	0.00	0.7	0	0.00
86.7	103	13.40	106.6	63	6.66	DAYTON	8.0	17	23.95	8.3	16	21.68
19.2	22	12.92	24.7	24	10.96	DECATUR	0.7	0	0.00	0.7	2	31.21
178.1	119	10.47	164.7	106	7.26	DENVER	4.6	12	29.61	5.1	6	13.37
40.4	56	15.61	54.1	54	11.25	DES MOINES	1.6	3	20.94	1.9	2	12.19
458.1	495	12.18	709.6	417	9.23	DETROIT	58.8	67	12.84	62.7	49	8.82
12.9	15	13.09	18.2	15	9.29	DUBUQUE	0.0	0	0.00	0.0	0	0.00
54.9	56	11.51	55.0	39	7.99	DULUTH	0.3	1	38.25	0.2	0	0.00
9.6	8	9.40	13.5	20	16.74	DURHAM	4.0	13	36.84	5.3	9	20.12
28.3	56	22.35	34.2	60	19.77	EL PASO	0.9	1	12.98	0.7	1	15.96
39.9	54	15.84	47.7	54	12.77	ERIE	0.6	1	17.44	0.7	1	17.18
24.7	14	6.49	26.3	15	6.43	EUGENE	0.1	0	0.00	0.1	0	0.00
31.0	35	12.72	40.6	20	5.58	EVANSVILLE	2.4	2	9.33	2.6	1	4.35
70.3	92	14.76	95.9	87	10.23	FALL RIVER	0.9	1	12.57	0.8	2	28.54
16.3	24	16.63	17.7	13	8.29	FARGO	0.0	0	0.00	0.0	0	0.00
44.4	59	14.74	50.2	37	8.32	FLINT	2.8	4	16.00	2.9	3	11.48
58.1	34	6.60	61.1	34	6.27	FT. LAUDERDALE	4.2	8	21.31	4.3	8	20.97
11.1	24	24.34	14.1	12	9.63	FORT SMITH	0.8	2	27.66	1.0	1	11.38
32.7	20	6.90	41.9	32	8.62	FORT WAYNE	1.0	4	44.86	1.1	2	20.24
68.4	196	32.31	86.1	118	15.45	FORT WORTH	7.7	20	29.19	8.8	24	30.90
51.0	48	10.62	55.4	30	6.11	FRESNO	4.9	2	4.63	3.2	0	0.00
11.6	13	12.60	14.0	9	7.26	GADSDEN	1.7	3	19.72	2.1	2	10.94
14.7	30	23.09	16.4	20	13.73	GALVESTON	3.7	15	46.05	3.9	14	40.94
65.5	101	17.39	65.7	51	8.75	GARY	8.7	13	16.94	8.7	16	20.80
54.6	62	12.80	63.9	50	8.18	GRAND RAPIDS	1.6	1	7.20	1.6	1	6.87
10.7	43	45.18	10.6	24	25.60	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
18.0	25	15.66	21.3	25	13.24	GREEN BAY	0.2	0	0.00	0.2	0	0.00
23.6	33	15.79	30.6	26	9.57	GREENSBORO	5.2	9	19.65	6.0	10	18.71
20.3	55	30.59	26.4	41	17.51	GREENVILLE	3.8	19	56.56	4.8	23	53.68
25.6	18	7.93	31.0	12	4.37	HAMILTON	1.3	2	17.86	1.3	2	17.73
53.0	70	14.89	69.8	69	11.14	HARRISBURG	2.8	4	16.34	3.2	3	10.56
105.2	92	9.84	129.3	74	6.45	HARTFORD	2.9	6	23.25	3.2	2	6.99
14.7	10	7.67	15.5	17	12.33	HONOLULU	37.6	25	7.49	30.3	17	6.32
114.2	158	15.60	138.1	108	8.82	HOUSTON	25.9	39	17.00	29.0	56	21.77
41.1	64	17.55	47.8	30	7.08	HUNTINGTON	1.6	3	21.13	1.6	8	55.90
9.8	33	38.04	11.4	5	4.96	HUNTSVILLE	2.6	8	34.69	3.1	7	25.41
88.6	121	15.40	117.8	106	10.15	INDIANAPOLIS	13.7	21	17.27	15.3	18	13.24
20.4	12	6.63	24.7	13	5.94	JACKSON MICH	1.0	0	0.00	0.6	0	0.00
13.4	24	20.26	18.6	19	11.54	JACKSON MISS	8.8	20	25.51	10.7	16	16.93
41.3	53	14.47	52.4	44	9.48	JACKSONVILLE	12.4	42	38.27	14.8	36	27.36
102.0	86	9.51	123.1	96	8.79	JERSEY CITY	3.8	6	17.67	4.5	4	10.10
50.6	84	18.72	54.2	49	10.20	JOHNSTOWN	0.5	1	22.09	0.5	0	0.00
24.1	31	14.52	30.2	32	11.96	KALAMAZOO	0.7	2	32.99	0.7	1	16.00
144.7	189	14.73	190.1	155	9.19	KANSAS CITY	18.3	37	22.84	20.0	33	18.56
16.2	38	26.52	17.5	14	9.02	KENOSHA	0.1	0	0.00	0.1	0	0.00
46.4	64	15.54	58.0	39	7.58	KNOXVILLE	3.9	22	63.31	4.8	19	44.32
11.5	23	22.57	13.1	18	15.44	LAKE CHARLES	3.3	10	34.43	3.3	10	33.79
46.4	65	15.80	61.5	49	8.99	LANCASTER	0.5	1	22.07	0.5	0	0.00
41.5	72	19.57	50.6	30	6.69	LANSING	0.8	0	0.00	0.7	0	0.00
7.5	9	13.54	9.4	3	3.59	LAREDO	0.0	0	0.00	0.0	0	0.00
14.3	21	16.56	12.7	15	13.27	LAS VEGAS	1.0	4	45.83	0.8	2	26.81
8.2	18	24.86	8.9	8	10.11	LAWTON	0.9	4	51.50	0.9	0	0.00
16.1	16	11.21	21.1	18	9.60	LEXINGTON	3.6	15	47.32	4.0	3	8.40
16.5	12	8.19	19.8	22	12.54	LIMA	0.8	2	28.31	0.7	2	30.52
24.4	122	56.29	33.1	62	21.10	LINCOLN	0.4	3	94.72	0.3	3	111.10
28.5	34	13.44	35.6	40	12.66	LITTLE ROCK	8.4	24	32.03	9.6	18	21.09
28.5	27	10.68	31.8	24	8.50	LORAIN	1.4	1	8.13	1.3	1	8.38
938.9	693	8.32	1270.8	616	5.47	LOS ANGELES	63.0	41	7.33	67.7	52	8.66

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER DISEASES OF HEART (I.S.C. 430-434)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
90.8	126	15.64	122.6	117	10.76	LOUISVILLE	12.8	39	36.35	14.9	30	22.65
15.3	100	73.50	18.1	27	16.85	LUBBOCK	1.1	10	100.87	1.0	7	79.88
13.2	13	11.10	19.0	14	8.78	LYNCHBURG	3.4	7	23.38	4.0	6	17.07
13.7	29	23.84	18.7	21	12.65	MACON	5.9	17	32.75	8.6	14	18.35
31.3	37	13.32	39.3	21	6.02	MADISON	0.2	0	0.00	0.2	0	0.00
30.4	42	15.60	41.0	21	5.77	MANCHESTER	0.1	0	0.00	0.0	0	0.00
49.7	210	47.64	69.9	80	12.90	MEMPHIS	31.3	235	84.76	35.7	212	67.02
151.3	180	13.41	165.3	105	7.16	MIAMI	11.5	21	20.63	12.1	16	14.92
5.0	8	11.18	5.7	3	5.95	MIDLAND	0.5	2	44.60	0.5	1	21.74
179.2	140	8.81	217.2	111	5.76	MILWAUKEE	5.3	3	6.44	4.9	10	22.85
220.9	191	9.75	283.4	155	6.17	MINNEAPOLIS	3.4	5	16.42	3.4	2	6.61
25.0	21	9.48	31.1	13	4.71	MOBILE	10.3	18	19.64	13.2	15	12.80
9.5	17	20.15	11.2	7	7.03	MONROE	4.8	6	14.21	5.4	4	8.32
12.2	8	7.37	17.5	3	1.93	MONTGOMERY	7.7	9	13.20	11.1	10	10.16
16.1	16	11.23	19.6	9	5.18	MUNCIE	0.8	1	13.27	0.8	1	13.85
19.8	27	15.35	22.4	14	7.06	MUSKEGON	1.2	2	19.17	1.1	1	10.34
44.2	35	8.94	61.1	37	6.83	NASHVILLE	10.7	22	23.11	13.1	15	12.90
248.4	232	10.53	319.9	180	6.35	NEWARK	23.0	38	18.65	27.9	25	10.09
107.2	58	6.10	132.1	62	5.29	NEW HAVEN	3.6	7	22.20	3.7	6	18.12
80.9	136	18.69	112.2	129	12.97	NEW ORLEANS	30.1	73	27.31	39.1	70	20.19
17.3	20	13.06	18.9	15	8.96	NEWPORT NEWS	7.1	11	17.36	7.1	9	14.32
1645.1	926	6.35	2011.6	749	4.20	NEW YORK	133.8	148	12.47	167.1	78	5.26
44.0	63	16.14	55.0	45	9.23	NORFOLK	16.9	64	42.62	19.2	43	25.26
6.9	27	43.73	7.0	11	17.69	ODESSA	0.3	3	98.29	0.3	1	32.26
16.1	14	11.16	15.7	7	5.01	OGDEN	0.4	0	0.00	0.3	0	0.00
67.2	104	17.46	84.9	83	11.02	OKLAHOMA CITY	5.8	17	33.32	6.1	26	47.89
66.0	78	13.20	81.7	43	5.93	OMAHA	3.6	8	25.34	[illegible]	4	11.23
63.8	36	9.24	91.2	28	6.17	ORLANDO	6.0	13	24.52	6.1	12	22.16
180.4	107	6.69	222.0	78	5.96	PATERSON	4.2	6	16.27	5.1	3	6.65
17.8	16	10.16	20.7	13	7.10	PENSACOLA	3.8	18	52.79	4.7	15	35.88
45.0	36	9.02	55.7	19	5.85	PEORIA	1.1	0	0.00	1.2	1	9.34
592.9	719	13.69	761.8	731	10.87	PHILADELPHIA	80.0	138	19.45	93.1	119	14.61
96.1	93	12.19	91.5	61	7.51	PHOENIX	4.6	3	7.38	3.7	5	15.21
379.7	376	11.11	434.4	373	9.64	PITTSBURGH	24.2	42	19.56	23.7	20	9.50
25.2	28	12.52	34.0	18	5.97	PITTSFIELD	0.3	1	41.98	0.3	0	0.00
32.7	29	10.01	44.9	33	8.30	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
151.5	170	12.65	181.1	132	8.22	PORTLAND OREG.	3.4	4	13.39	2.5	2	8.97
123.5	112	10.27	162.9	102	7.06	PROVIDENCE	1.9	3	17.65	2.0	3	16.95
12.0	19	17.78	13.7	11	9.03	PROVO	0.0	0	0.00	0.0	0	0.00
19.7	17	9.72	22.4	11	5.53	PUEBLO	0.5	1	20.73	0.5	2	42.47
22.1	24	12.24	25.7	9	3.96	RACINE	0.4	1	- - -	0.3	0	0.00
15.3	94	69.29	19.7	35	20.59	RALEIGH	4.9	95	218.15	6.1	47	86.84
91.3	69	14.29	61.4	45	8.45	READING	0.6	0	0.00	0.6	0	0.00
13.0	14	13.02	12.6	11	9.81	RENO	0.4	1	26.27	0.3	0	0.00
42.7	51	13.47	62.3	48	8.69	RICHMOND	13.3	28	23.75	15.9	22	15.62
21.6	38	19.87	28.2	22	8.80	ROANOKE	2.9	6	23.59	3.3	10	33.74
99.4	53	6.01	129.6	34	2.96	ROCHESTER	2.0	1	5.75	2.1	0	0.00
30.7	28	9.29	36.6	12	3.70	ROCKFORD	0.7	1	15.50	0.8	0	0.00
65.1	65	11.25	70.1	32	5.15	SACRAMENTO	4.8	5	11.71	3.2	2	7.10
25.8	38	16.60	30.4	35	12.99	SAGINAW	1.5	2	14.81	1.5	3	22.59
19.5	24	15.01	25.7	22	9.65	ST. JOSEPH	0.6	0	0.00	0.8	0	0.00
282.0	281	11.26	373.4	211	6.37	ST. LOUIS	39.0	95	27.43	45.7	67	16.54
48.5	55	12.80	58.8	59	11.31	SALT LAKE CITY	0.9	1	12.07	0.5	0	0.00
9.7	11	12.82	11.6	11	10.66	SAN ANGELO	0.5	1	23.43	0.6	1	19.07
77.7	109	15.81	100.3	114	12.82	SAN ANTONIO	5.6	10	20.30	7.3	13	19.96
130.4	111	9.58	146.1	83	6.41	SAN BERNARDINO	4.4	4	10.20	4.1	4	10.98
131.1	92	7.91	161.2	69	4.83	SAN DIEGO	4.6	3	7.36	4.3	4	10.46
402.5	316	9.85	507.0	269	5.98	SAN FRANCISCO	37.8	36	10.75	31.7	22	7.83
78.7	56	8.02	99.9	39	4.40	SAN JOSE	2.6	2	8.52	1.9	2	11.59
25.0	20	9.01	32.3	17	5.93	SANTA BARBARA	0.9	3	38.07	0.6	0	0.00
14.3	27	21.34	19.8	20	11.39	SAVANNAH	7.3	26	40.36	5.7	26	30.30
42.9	77	20.22	55.3	81	16.50	SCRANTON	0.1	0	0.00	0.2	0	0.00
178.4	209	13.21	208.2	172	9.32	SEATTLE	7.7	7	10.23	5.2	6	12.98
23.9	53	25.02	30.0	22	8.26	SHREVEPORT	13.5	30	24.98	16.6	32	21.70
20.4	31	17.11	23.6	29	13.88	SIOUX CITY	0.3	0	0.00	0.3	0	0.00
13.6	27	22.41	15.8	13	9.26	SIOUX FALLS	0.1	1	132.09	0.1	1	138.07
34.8	50	16.20	40.8	32	8.84	SOUTH BEND	1.6	3	21.59	1.5	0	0.00
51.7	95	20.72	57.7	62	12.12	SPOKANE	0.8	2	29.66	0.6	1	19.10
25.8	18	7.88	33.7	7	2.36	SPRINGFIELD I.	1.1	1	10.42	1.3	1	8.83
23.2	39	14.57	30.0	27	10.16	SPRINGFIELD MO	0.5	2	44.02	0.6	1	19.92
20.7	18	9.81	25.9	19	8.26	SPRINGFIELD O.	1.9	6	36.26	2.3	3	14.44
86.7	112	14.56	115.4	78	7.62	SPRINGFIELD MA	1.4	0	0.00	1.7	4	27.10
26.7	30	12.66	27.4	16	6.59	STEUBENVILLE	1.0	0	0.00	1.0	2	22.81
41.5	20	7.87	41.0	23	6.33	STOCKTON	5.1	3	6.69	2.3	2	9.93
91.2	57	7.05	113.0	44	4.39	SYRACUSE	1.3	1	8.62	1.3	1	8.40
52.5	111	23.86	58.7	80	15.38	TACOMA	1.2	6	55.17	1.0	0	0.00
184.0	310	18.99	201.7	195	10.90	TAMPA	10.6	40	42.65	11.5	34	33.40
20.5	40	22.05	25.4	29	12.86	TERRE HAUTE	0.9	1	12.47	1.0	1	11.18
12.7	71	62.86	16.9	25	18.92	TEXARKANA	4.0	21	59.18	4.4	14	35.79
70.5	145	23.18	87.7	115	14.78	TOLEDO	5.1	19	42.27	5.4	23	48.18
21.4	34	17.94	28.4	21	8.34	TOPEKA	1.7	6	39.76	1.8	4	24.98
38.9	48	13.90	48.2	25	5.84	TRENTON	3.5	6	19.43	3.6	3	9.67
33.7	41	13.70	38.4	22	6.46	TUCSON	2.2	1	5.24	1.9	3	17.48
56.8	135	26.79	69.8	86	13.89	TULSA	5.7	10	19.90	6.5	11	18.99
11.5	11	13.78	13.6	4	3.31	TUSCALOOSA	3.9	1	2.87	4.4	3	7.69
10.3	14	15.39	14.5	10	9.01	TYLER	3.4	9	29.60	3.8	3	8.89
61.1	42	7.75	74.7	22	3.32	UTICA	0.5	1	22.47	0.4	1	25.42
20.9	114	61.36	25.8	55	24.00	WACO	3.8	39	114.57	4.6	24	59.36
181.3	207	12.88	258.0	172	7.52	WASHINGTON	53.2	125	26.49	63.0	85	15.22
18.2	10	6.20	22.4	15	7.53	WATERLOO	0.5	1	22.13	0.5	1	23.39
40.9	36	9.93	45.4	21	5.21	W. PALM BEACH	6.1	16	29.55	4.9	13	29.96
37.8	46	13.71	44.5	35	8.87	WHEELING	1.0	0	0.00	0.9	0	0.00
40.5	63	11.98	51.9	50	10.86	WICHITA	2.2	4	20.32	2.3	3	14.90
16.7	33	22.23	19.7	19	10.87	WICHITA FALLS	1.1	4	41.65	1.1	2	19.99
61.8	117	21.35	70.3	119	16.93	WILKES-BARRE	0.2	0	0.00	0.2	0	0.00
45.9	60	14.73	56.9	58	11.50	WILMINGTON	5.9	13	24.90	5.8	10	19.56
16.8	15	10.09	22.1	17	8.69	WINSTON-SALEM	5.1	16	35.51	6.7	11	18.62
106.9	125	13.18	130.3	80	6.48	WORCESTER	0.6	2	38.69	0.6	0	0.00
39.9	74	20.93	47.7	74	17.48	YORK	0.6	3	56.91	0.6	0	0.00
75.9	85	12.63	83.2	77	10.44	YOUNGSTOWN	5.9	15	28.85	5.4	4	8.41
15702.9	18285	13.13	19534.4	13860	8.00	TOTAL 201 SMSA	1499.7	3498	26.30	1678.0	2782	18.69

ALL AGE STANDARD RATE = 11.20

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

HYPERTENSIVE HEART DISEASE (I.S.C. 440-443)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
48.3	24	17.56	61.2	31	17.90	ABILENE	2.0	1	18.05	2.1	3	49.93
219.7	196	24.77	264.6	241	34.66	AKRON	12.0	26	76.69	12.6	34	95.30
11.4	19	31.09	14.9	6	14.30	ALBANY GA	8.3	38	161.36	12.4	35	99.73
366.9	259	25.94	499.0	346	27.90	ALBANY NY	5.5	14	89.49	5.0	11	64.61
72.0	35	17.17	94.5	51	21.33	ALBUQUERQUE	1.9	1	19.09	1.8	2	40.06
268.1	269	35.31	339.0	320	33.76	ALLENTOWN	1.6	3	68.02	1.6	4	88.78
85.7	72	29.60	108.4	72	24.48	ALTOONA	0.6	0	0.00	0.7	1	52.25
45.6	22	17.04	57.4	34	20.93	AMARILLO	2.0	4	71.33	2.1	9	151.74
59.7	23	13.60	82.8	47	20.06	ANN ARBOR	3.8	3	28.19	4.0	5	44.18
62.3	47	26.67	79.1	60	26.80	ASHEVILLE	7.1	23	114.26	8.8	20	80.24
276.7	262	33.45	406.0	321	27.89	ATLANTA	70.6	279	139.69	98.6	371	132.92
96.0	56	20.61	122.4	113	37.52	ATLANTIC CITY	16.1	23	50.52	18.6	41	78.07
45.8	58	42.49	64.6	79	43.37	AUGUSTA	22.4	128	202.27	30.5	131	151.66
74.3	35	16.56	99.5	46	15.63	AUSTIN	12.2	11	31.36	16.3	25	54.34
108.7	96	32.59	112.0	94	29.65	BAKERSFIELD	9.2	30	115.54	5.8	14	85.47
589.4	939	56.22	878.1	1396	61.03	BALTIMORE	117.0	597	180.21	131.0	740	199.53
42.7	30	24.31	59.1	43	32.26	BATON ROUGE	25.5	74	102.53	30.9	93	106.25
47.6	46	32.65	57.4	60	34.96	BAY CITY	0.3	0	0.00	0.2	0	0.00
86.9	38	14.64	104.1	61	20.71	BEAUMONT	21.7	43	69.94	21.9	49	79.03
34.2	17	17.59	36.7	17	15.39	BILLINGS	0.4	1	99.89	0.3	0	0.00
110.2	60	19.24	142.7	107	26.48	BINGHAMTON	0.8	0	0.00	0.7	1	49.29
176.0	147	27.51	235.5	223	33.45	BIRMINGHAM	86.5	333	135.95	108.0	377	123.27
1646.0	1099	23.59	2362.8	1920	28.67	BOSTON	34.2	47	48.49	39.5	71	63.56
318.6	178	19.74	409.0	276	23.04	BRIDGEPORT	9.0	16	62.90	10.4	24	81.65
140.6	106	26.69	188.2	144	28.91	BROCKTON	3.3	2	21.49	2.1	7	117.43
48.5	28	20.39	55.1	32	20.53	BROWNSVILLE	0.5	0	0.00	0.4	0	0.00
609.2	456	26.44	756.8	661	30.85	BUFFALO	23.2	54	82.23	22.4	59	92.88
171.6	109	22.44	205.3	151	25.98	CANTON	6.1	5	28.83	5.9	10	59.50
70.1	33	16.64	93.0	63	23.94	CEDAR RAPIDS	0.6	0	0.00	0.7	0	0.00
43.8	22	17.74	60.0	46	27.07	CHAMPAIGN	2.0	5	89.67	2.0	4	69.32
37.0	48	45.65	52.7	53	35.51	CHARLESTON SC	17.6	54	108.64	27.0	50	55.38
96.2	117	42.95	111.9	160	50.53	CHARLESTON WVA	7.9	24	106.90	8.3	23	97.33
66.8	53	28.03	98.1	62	22.33	CHARLOTTE	18.0	109	213.92	23.1	110	168.48
99.5	67	23.70	129.6	98	23.99	CHATTANOOGA	19.8	43	76.60	25.2	45	62.96
2632.1	2300	30.87	3262.2	3015	32.65	CHICAGO	275.1	607	77.96	314.1	685	77.05
472.1	424	31.73	673.4	640	33.58	CINCINNATI	52.4	123	82.95	56.8	166	103.34
767.3	810	37.29	960.0	1113	40.96	CLEVELAND	80.3	226	99.43	90.6	261	101.77
55.4	19	11.48	78.7	40	17.96	COLORADO SPRGS	1.2	2	61.21	1.7	3	61.53
59.4	89	52.90	85.2	96	39.78	COLUMBIA	21.9	107	172.85	28.2	114	142.77
38.7	39	35.61	56.3	45	29.25	COLUMBUS GA	17.1	68	140.56	25.7	92	126.54
252.2	476	66.67	351.7	467	46.91	COLUMBUS OHIO	31.7	143	159.49	34.2	161	149.85
61.6	36	20.63	70.3	43	21.60	CORPUS CHRISTI	2.9	5	60.38	3.6	4	39.15
362.0	225	21.36	501.4	299	21.07	DALLAS	54.8	104	67.06	58.8	86	51.65
142.6	86	21.31	177.3	131	24.11	DAVENPORT	2.3	4	61.29	2.1	2	33.90
262.7	189	25.41	335.2	290	30.57	DAYTON	23.2	65	100.52	24.1	82	120.33
60.7	46	25.61	80.3	49	21.56	DECATUR	2.0	8	143.32	2.1	5	83.30
392.9	184	16.54	524.2	270	18.20	DENVER	13.5	12	31.51	15.1	23	53.81
126.9	75	20.48	175.2	115	23.18	DES MOINES	5.1	3	20.96	5.8	11	67.20
1390.2	1028	26.12	1572.7	1368	30.73	DETROIT	163.9	363	78.22	175.9	448	89.97
40.9	22	18.99	60.0	28	14.49	DUBUQUE	0.0	0	0.00	0.0	1	- - -
178.5	185	36.62	179.3	227	44.99	DULUTH	0.9	1	40.15	0.7	2	107.48
28.4	29	31.06	42.2	38	31.78	DURHAM	11.7	83	251.25	15.0	87	205.32
78.5	59	23.85	100.3	66	23.24	EL PASO	2.2	3	47.19	1.8	5	96.41
125.0	103	29.11	159.0	160	36.05	ERIE	1.8	9	179.71	1.8	2	39.50
76.2	40	18.56	82.4	54	23.16	EUGENE	0.2	0	0.00	0.1	0	0.00
97.8	155	55.38	131.1	173	46.63	EVANSVILLE	7.8	45	203.48	8.2	33	141.49
223.8	215	33.93	315.1	361	40.48	FALL RIVER	2.9	3	36.79	2.5	3	42.68
50.9	11	7.63	56.0	19	11.99	FARGO	0.0	0	0.00	0.1	1	574.25
132.6	81	21.57	153.9	123	28.24	FLINT	7.0	17	85.47	7.7	18	82.86
190.4	78	14.47	197.1	68	12.19	FT. LAUDERDALE	10.8	26	84.76	11.1	36	114.96
35.5	21	20.90	45.7	18	13.87	FORT SMITH	2.6	8	107.23	3.2	14	153.44
100.8	69	24.17	133.7	93	24.57	FORT WAYNE	2.7	8	104.74	3.1	10	115.57
205.2	125	21.52	260.1	168	22.05	FORT WORTH	23.2	25	38.09	26.4	37	49.57
158.1	127	28.37	174.0	133	27.01	FRESNO	15.4	29	66.53	9.3	12	45.53
35.5	46	45.81	43.7	27	21.83	GADSDEN	5.1	11	76.22	6.2	13	73.99
43.6	29	23.52	50.0	27	19.09	GALVESTON	10.8	17	55.40	11.3	23	71.70
195.6	158	28.54	198.3	184	32.77	GARY	24.2	83	121.04	24.0	103	151.77
171.3	97	17.94	222.5	154	24.45	GRAND RAPIDS	4.5	5	39.43	4.7	9	68.19
33.2	21	22.37	32.9	24	25.75	GREAT FALLS	0.3	0	0.00	0.3	0	0.00
55.7	43	27.26	67.6	39	20.38	GREEN BAY	0.5	0	0.00	0.6	0	0.00
69.4	59	30.06	94.0	75	28.20	GREENSBORO	14.7	77	185.67	17.4	64	129.64
59.3	70	41.72	81.1	90	39.19	GREENVILLE	11.0	64	205.60	14.4	76	186.51
77.4	83	37.87	97.0	114	41.51	HAMILTON	3.8	9	84.34	3.7	13	123.01
166.2	152	32.31	224.1	224	35.00	HARRISBURG	8.2	12	51.60	9.7	14	51.24
325.9	253	27.43	412.0	324	27.78	HARTFORD	7.7	11	50.37	9.0	31	121.40
36.9	58	55.52	43.3	81	66.10	HONOLULU	107.9	204	66.81	84.9	155	64.49
326.7	283	30.60	413.7	395	33.73	HOUSTON	73.3	206	99.23	83.3	282	119.55
129.8	109	29.67	153.0	153	35.33	HUNTINGTON	5.2	10	67.83	5.2	9	61.03
27.4	40	51.69	33.5	37	39.02	HUNTSVILLE	7.9	21	93.57	9.6	35	129.25
272.1	239	31.03	376.4	330	30.97	INDIANAPOLIS	41.8	93	78.65	46.6	103	78.13
63.7	45	24.95	78.8	95	42.07	JACKSON MICH	2.7	1	13.02	1.8	5	95.92
39.1	28	25.33	57.4	56	33.24	JACKSON MISS	26.9	91	119.56	32.5	94	102.26
120.4	116	34.05	160.6	120	26.39	JACKSONVILLE	36.4	155	150.57	44.2	197	157.31
321.9	312	34.24	396.3	450	40.11	JERSEY CITY	10.5	16	53.91	12.4	24	68.10
162.2	132	28.76	174.0	174	35.32	JOHNSTOWN	1.5	2	45.73	1.5	5	121.02
74.4	34	16.14	96.3	72	26.40	KALAMAZOO	2.0	2	35.07	2.1	5	85.50
449.4	251	19.73	611.1	400	23.13	KANSAS CITY	57.2	119	73.45	62.6	172	97.11
50.7	39	27.18	55.6	46	29.22	KENOSHA	0.2	0	0.00	0.2	0	0.00
140.4	106	26.67	181.0	133	25.96	KNOXVILLE	12.0	29	85.07	15.0	43	101.30
31.8	19	21.09	38.3	28	25.85	LAKE CHARLES	9.6	19	69.89	9.7	25	90.68
146.7	109	26.26	200.3	173	30.51	LANCASTER	1.6	1	22.72	1.5	5	118.54
127.7	107	29.60	160.6	136	29.91	LANSING	2.1	2	33.52	1.9	3	55.61
22.6	15	22.46	28.9	30	36.64	LAREDO	0.0	0	0.00	0.0	0	0.00
40.5	14	12.21	35.9	17	16.74	LAS VEGAS	2.5	3	42.31	2.1	1	17.01
22.8	11	17.07	26.8	17	22.40	LAWTON	2.3	2	30.65	2.9	6	84.70
49.3	44	31.54	67.6	69	36.06	LEXINGTON	11.4	29	89.79	12.9	43	117.57
52.2	26	17.60	64.2	66	36.34	LIMA	2.2	5	79.42	2.1	5	83.51
77.0	47	21.57	108.5	65	21.16	LINCOLN	1.0	1	35.62	0.9	1	39.66
87.6	44	17.74	112.9	52	16.27	LITTLE ROCK	27.0	61	79.83	30.6	78	90.14
86.5	72	29.42	99.0	134	47.81	LORAIN	4.0	9	79.74	3.9	14	127.88
2889.0	2002	24.48	4092.8	3030	26.15	LOS ANGELES	177.0	258	51.50	193.2	350	64.00

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

HYPERTENSIVE HEART DISEASE (I.S.C. 440-443)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
277.3	308	39.24	390.8	427	38.60	LOUISVILLE	39.8	116	102.96	46.9	172	129.70
43.9	30	24.16	54.1	36	23.50	LUBBOCK	3.0	11	128.15	2.5	8	111.73
41.0	54	46.58	57.8	61	37.28	LYNCHBURG	10.5	37	124.16	12.5	58	163.82
39.4	36	32.30	57.4	36	22.14	MACON	17.3	51	104.43	26.5	80	106.81
96.5	62	22.70	125.7	106	29.80	MADISON	0.6	1	63.85	0.5	0	0.00
96.3	83	30.44	134.0	137	36.13	MANCHESTER	0.2	0	0.00	0.1	0	0.00
147.4	91	21.81	219.6	120	19.30	MEMPHIS	96.8	220	80.31	109.9	257	82.58
484.8	239	17.42	530.0	243	16.20	MIAMI	29.7	82	97.60	31.6	87	97.32
12.8	4	11.06	15.3	3	6.94	MIDLAND	1.3	6	161.51	1.3	0	0.00
556.5	392	24.89	692.7	561	28.61	MILWAUKEE	13.6	35	91.13	12.5	40	112.90
688.9	399	20.46	909.3	672	24.11	MINNEAPOLIS	10.2	10	34.70	10.3	11	37.85
72.7	100	49.60	94.8	117	43.61	MOBILE	29.8	275	326.49	39.3	335	301.28
28.9	23	28.07	35.0	28	28.27	MONROE	15.0	53	124.49	16.9	57	118.94
35.5	38	37.80	54.5	48	31.10	MONTGOMERY	23.5	63	94.90	35.1	93	93.64
49.9	32	22.65	62.7	47	26.47	MUNCIE	2.6	9	121.89	2.4	3	43.31
60.8	18	10.47	69.9	39	19.70	MUSKEGON	3.1	3	33.65	2.9	5	61.62
133.6	97	25.65	193.8	124	22.61	NASHVILLE	32.9	74	79.35	40.7	108	93.68
774.6	695	31.70	1029.0	1040	35.70	NEWARK	64.3	123	67.58	80.2	180	79.26
337.4	228	23.88	425.6	332	27.56	NEW HAVEN	10.0	19	66.85	10.5	15	50.39
241.9	270	39.44	354.2	388	38.69	NEW ORLEANS	88.6	304	121.22	118.8	459	136.50
48.1	41	30.11	55.3	60	38.30	NEWPORT NEWS	20.7	83	141.58	20.5	90	155.01
5175.1	4601	31.41	6447.1	6768	37.09	NEW YORK	376.6	1127	105.72	477.6	1503	111.18
122.9	110	31.62	166.2	162	34.44	NORFOLK	49.0	186	134.12	56.5	243	152.00
17.3	6	12.28	18.1	10	19.54	ODESSA	0.8	2	85.63	0.9	1	41.48
42.8	33	27.24	48.8	55	39.84	OGDEN	1.3	2	55.41	0.7	0	0.00
205.4	100	17.20	268.7	134	17.62	OKLAHOMA CITY	17.1	23	47.43	18.1	43	83.71
207.6	161	27.39	261.5	214	28.92	OMAHA	10.8	23	74.97	12.3	17	48.69
139.0	96	24.39	164.9	107	22.92	ORLANDO	17.3	47	96.16	17.7	66	131.58
553.7	400	25.52	702.3	608	30.59	PATERSON	11.4	26	80.64	14.3	29	71.87
50.9	45	31.21	61.6	34	19.50	PENSACOLA	11.1	38	121.07	13.8	50	127.57
140.2	90	22.69	179.1	120	23.67	PEORIA	3.2	6	65.61	3.5	9	90.37
1844.3	2156	41.30	2450.4	3311	47.74	PHILADELPHIA	233.9	707	106.78	275.5	933	119.66
261.2	152	20.56	280.7	182	22.91	PHOENIX	13.8	20	51.32	10.6	23	76.95
1193.9	828	24.50	1480.0	1172	29.91	PITTSBURGH	74.6	111	52.56	71.7	121	59.63
80.2	61	26.86	111.6	88	27.87	PITTSFIELD	0.8	3	127.28	0.9	3	113.29
104.5	74	25.01	147.9	132	31.53	PORTLAND MAINE	0.3	1	107.08	0.4	0	0.00
487.9	408	29.54	592.8	514	30.63	PORTLAND OREG.	10.0	15	52.78	7.0	12	60.27
391.4	314	28.34	530.7	507	33.75	PROVIDENCE	5.9	9	54.15	6.0	10	58.52
35.6	26	25.77	42.0	45	37.89	PROVO	0.1	0	0.00	0.1	0	0.00
62.4	21	11.89	72.1	40	19.61	PUEBLO	1.8	1	19.93	1.8	1	20.11
69.4	35	17.81	82.2	64	27.52	RACINE	0.9	2	- - -	0.8	2	88.82
45.0	36	28.26	61.0	51	29.54	RALEIGH	14.5	52	126.66	18.5	44	83.98
163.9	150	32.34	199.5	157	27.80	READING	1.7	5	102.80	1.8	0	0.00
39.9	39	34.56	38.8	28	25.47	RENO	1.2	3	85.86	0.8	0	0.00
129.4	164	44.79	199.6	259	45.84	RICHMOND	39.6	131	116.97	48.1	167	122.57
66.8	41	21.69	90.2	56	21.94	ROANOKE	8.7	33	133.43	10.4	35	119.34
316.5	157	17.52	423.2	252	21.04	ROCHESTER	5.0	5	35.13	5.5	7	45.30
95.1	59	21.92	116.3	68	20.66	ROCKFORD	1.9	2	36.29	2.2	7	110.08
196.3	184	33.12	216.1	209	34.17	SACRAMENTO	14.0	35	88.19	9.6	10	40.98
79.9	43	19.02	96.5	70	25.62	SAGINAW	3.9	5	45.71	3.9	5	45.67
64.4	50	27.44	86.4	105	42.94	ST. JOSEPH	2.0	2	34.64	2.6	10	134.90
878.4	747	30.04	1206.6	1059	31.06	ST. LOUIS	118.7	284	84.49	138.9	357	90.78
146.5	85	20.50	183.9	138	26.52	SALT LAKE CITY	3.0	3	35.49	1.6	3	67.04
30.3	13	15.16	37.2	18	17.11	SAN ANGELO	1.5	4	94.28	1.8	0	0.00
232.0	139	21.17	312.8	212	23.95	SAN ANTONIO	16.4	27	58.11	22.5	50	78.60
414.0	259	22.10	470.5	326	24.48	SAN BERNARDINO	12.7	11	30.65	12.0	25	73.52
394.2	273	24.47	509.1	405	28.11	SAN DIEGO	11.8	23	68.83	11.4	11	34.23
1253.5	1016	28.63	1631.9	1300	28.14	SAN FRANCISCO	104.9	169	56.90	85.1	150	62.28
234.7	111	16.71	311.8	180	20.39	SAN JOSE	7.7	4	18.31	5.4	2	13.02
77.7	35	15.92	104.5	64	21.63	SANTA BARBARA	2.6	0	0.00	1.8	0	0.00
41.4	22	18.79	61.4	44	25.31	SAVANNAH	21.7	80	130.44	29.4	120	144.16
137.2	172	44.27	180.4	311	60.91	SCRANTON	0.4	1	79.35	0.6	1	64.10
562.1	317	19.92	670.7	477	25.13	SEATTLE	23.2	23	35.02	14.7	16	38.55
71.3	69	34.21	93.0	102	38.74	SHREVEPORT	42.7	159	131.56	52.6	196	131.53
66.3	56	28.79	77.1	76	34.81	SIOUX CITY	0.8	1	42.41	0.8	3	126.34
42.7	12	9.93	50.8	17	11.83	SIOUX FALLS	0.2	0	0.00	0.3	1	139.29
107.7	74	24.27	129.6	95	25.91	SOUTH BEND	4.5	12	93.44	4.4	11	89.30
166.6	216	45.80	188.2	247	46.37	SPOKANE	2.3	8	123.38	1.7	3	61.73
82.6	70	33.77	110.4	92	29.45	SPRINGFIELD I.	3.5	8	81.11	4.1	8	68.85
75.1	100	47.06	99.1	116	41.34	SPRINGFIELD MO	1.6	7	150.93	1.9	7	132.42
65.6	40	21.55	84.6	55	23.01	SPRINGFIELD O.	5.8	15	90.68	7.4	21	99.60
273.5	178	22.99	376.6	294	27.58	SPRINGFIELD MA	3.8	5	45.97	4.8	15	110.76
83.8	49	20.65	85.7	58	23.91	STEUBENVILLE	3.2	6	66.55	3.0	6	70.90
132.5	177	47.20	131.1	129	34.75	STOCKTON	15.7	35	78.83	6.5	13	70.49
287.5	160	19.66	365.3	260	29.14	SYRACUSE	3.5	4	40.18	3.7	3	28.85
165.9	105	22.36	189.7	132	26.58	TACOMA	3.0	3	35.56	2.4	2	29.92
627.8	280	16.26	683.3	310	16.03	TAMPA	31.1	64	72.81	33.8	74	77.28
66.6	64	33.97	84.1	96	40.35	TERRE HAUTE	2.9	0	0.00	3.3	5	53.72
40.7	31	26.93	48.2	33	24.21	TEXARKANA	13.0	29	78.98	14.2	29	72.39
222.4	177	28.11	284.3	246	30.56	TOLEDO	14.9	30	71.30	15.7	40	89.82
67.1	25	13.15	92.6	48	18.30	TOPEKA	5.3	11	72.69	5.7	19	117.06
121.6	128	37.19	155.0	166	37.83	TRENTON	9.6	20	73.52	10.0	24	84.94
102.6	61	21.00	118.6	63	18.77	TUCSON	6.5	9	49.27	5.7	9	56.05
175.0	68	13.73	220.8	97	15.52	TULSA	17.7	23	45.82	20.3	32	55.76
35.5	23	22.92	43.4	25	20.34	TUSCALOOSA	12.0	34	100.01	13.4	49	128.77
32.0	22	24.28	40.0	26	22.96	TYLER	10.7	26	85.68	11.9	30	88.86
196.0	312	56.23	244.5	273	39.45	UTICA	1.4	4	102.47	1.2	3	88.23
65.7	37	19.90	83.7	47	19.83	WACO	12.2	13	37.56	14.6	17	41.22
524.8	630	43.01	800.2	793	35.01	WASHINGTON	149.7	576	135.93	183.0	622	120.08
56.8	28	17.42	72.0	34	16.67	WATERLOO	1.5	2	48.32	1.3	8	210.35
136.1	59	15.32	150.6	59	13.84	W. PALM BEACH	17.4	34	68.88	13.4	35	92.24
123.2	79	22.65	146.1	118	28.53	WHEELING	3.3	3	32.35	3.0	2	23.64
119.9	75	22.09	161.6	96	20.99	WICHITA	6.3	7	39.08	6.4	14	76.89
50.8	33	22.96	62.0	41	23.36	WICHITA FALLS	3.2	7	77.14	3.3	11	116.29
195.8	235	42.40	256.2	375	51.71	WILKES-BARRE	0.6	0	0.00	0.6	3	180.54
139.1	163	41.38	178.9	235	46.40	WILMINGTON	17.5	63	126.89	17.0	75	155.77
49.1	33	23.75	67.5	29	19.19	WINSTON-SALEM	14.9	59	139.77	19.9	101	178.97
342.0	166	17.15	457.6	292	22.54	WORCESTER	1.8	0	0.00	1.9	1	18.59
125.6	90	25.31	153.7	157	36.10	YORK	1.7	1	20.50	1.9	3	56.56
238.0	176	26.12	263.4	224	30.05	YOUNGSTOWN	17.4	24	48.86	15.5	32	73.05
48685.6	39035	28.33	62371.8	55076	31.20	TOTAL 201 SMSA	4358.0	11845	96.02	4926.6	14430	103.47

ALL AGE STANDARD RATE = 35.33

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER HYPERTENSIVE DISEASE (I.S.C. 444-447)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
9.1	1	0.72	11.4	2	1.14	ABILENE	0.4	0	0.00	0.4	1	16.00
39.8	31	5.04	49.5	31	4.17	AKRON	2.3	12	34.77	2.4	5	13.48
2.3	2	5.69	2.9	1	2.27	ALBANY GA	1.6	12	49.30	2.3	11	31.20
66.7	92	9.00	80.7	97	7.06	ALBANY NY	1.0	3	18.68	1.2	5	28.13
13.4	4	1.88	16.2	12	4.83	ALBUQUERQUE	0.4	1	17.76	0.4	0	0.00
48.9	70	9.34	61.8	63	6.56	ALLENTOWN	0.3	3	69.73	0.3	1	21.35
15.5	26	10.93	19.9	26	8.56	ALTOONA	0.1	0	0.00	0.1	1	52.64
8.7	10	7.50	10.9	8	4.90	AMARILLO	0.4	2	34.22	0.4	2	31.84
11.3	3	1.74	15.7	11	4.57	ANN ARBOR	0.7	2	17.86	0.8	0	0.00
11.4	13	7.42	14.7	17	7.57	ASHEVILLE	1.3	3	15.25	1.6	2	8.02
92.4	59	6.59	76.6	55	4.70	ATLANTA	13.4	52	25.40	18.7	50	17.49
17.2	13	4.94	22.2	15	4.40	ATLANTIC CITY	2.9	7	15.84	3.6	5	9.69
6.8	7	5.20	17.2	10	5.35	AUGUSTA	4.2	11	17.07	5.7	5	5.76
14.0	10	4.65	18.7	8	2.70	AUSTIN	2.3	5	14.25	3.0	2	4.28
26.3	13	4.17	21.1	10	3.10	BAKERSFIELD	1.7	3	11.82	1.1	2	11.86
109.0	75	4.49	140.9	80	3.48	BALTIMORE	22.2	62	18.26	25.1	50	12.99
8.3	12	9.43	11.2	8	4.67	BATON ROUGE	4.8	12	16.20	5.8	8	8.94
8.8	6	4.43	10.7	7	4.28	BAY CITY	0.1	0	0.00	0.0	0	0.00
16.3	13	5.21	19.7	15	4.97	BEAUMONT	4.1	8	12.88	4.1	13	20.49
6.4	7	7.14	6.9	1	0.95	BILLINGS	0.1	0	0.00	0.1	0	0.00
20.2	17	5.50	24.9	29	7.14	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
32.7	25	4.99	43.9	23	3.43	BIRMINGHAM	15.7	55	22.87	20.0	52	16.96
300.7	253	5.49	436.7	366	5.47	BOSTON	6.5	11	11.06	7.5	10	8.69
58.7	69	7.69	76.0	66	5.67	BRIDGEPORT	1.8	10	36.84	2.0	5	15.95
26.0	34	8.54	35.0	48	8.96	BROCKTON	0.6	1	10.76	0.4	3	48.66
9.2	9	6.41	10.5	9	5.61	BROWNSVILLE	0.1	0	0.00	0.1	1	- - -
111.1	106	6.23	139.3	106	4.97	BUFFALO	4.5	12	17.56	4.4	14	20.68
31.5	35	7.24	39.2	32	5.47	CANTON	1.1	2	11.49	1.1	4	23.09
13.0	10	5.02	17.3	9	3.39	CEDAR RAPIDS	0.1	1	62.63	0.1	0	0.00
8.4	7	5.42	11.3	7	4.06	CHAMPAIGN	0.4	1	16.61	0.4	0	0.00
7.2	7	6.35	10.1	6	3.88	CHARLESTON SC	3.3	15	29.30	5.1	9	11.47
18.0	14	5.07	21.0	11	3.42	CHARLESTON WVA	1.4	2	9.23	1.5	4	17.42
12.7	12	6.14	18.6	6	2.10	CHARLOTTE	3.4	17	32.39	4.4	11	16.23
18.5	11	3.87	24.1	13	3.53	CHATTANOOGA	3.6	16	28.90	4.7	15	21.02
477.7	617	8.43	597.6	655	6.93	CHICAGO	52.2	171	21.39	60.2	146	15.82
86.4	103	7.78	124.4	112	5.87	CINCINNATI	9.7	38	25.56	10.6	33	20.27
139.7	152	7.10	176.2	123	4.55	CLEVELAND	15.2	61	26.13	17.4	40	15.00
10.6	7	4.32	15.0	16	6.98	COLORADO SPRGS	0.2	1	26.92	0.3	0	0.00
11.3	18	10.37	16.1	14	5.67	COLUMBIA	4.1	17	26.89	5.3	6	7.39
7.6	9	7.76	10.7	3	1.82	COLUMBUS GA	3.3	11	22.04	4.9	18	24.32
47.3	54	7.44	65.9	69	6.83	COLUMBUS OHIO	5.9	11	12.09	6.4	14	14.29
11.7	7	3.90	13.5	9	4.36	CORPUS CHRISTI	0.5	1	11.89	0.7	3	27.72
68.0	57	5.47	94.0	54	3.75	DALLAS	10.3	29	18.32	11.2	32	18.66
26.1	36	9.00	32.9	44	8.73	DAVENPORT	0.4	0	0.00	0.4	3	50.14
49.3	45	5.95	62.9	63	6.53	DAYTON	4.4	19	28.17	4.6	11	15.54
11.3	13	7.53	15.0	15	6.54	DECATUR	0.4	0	0.00	0.4	0	0.00
73.6	67	5.94	98.5	67	4.44	DENVER	2.6	5	12.75	2.9	3	6.72
23.3	17	4.75	32.6	31	6.21	DES MOINES	0.9	3	21.06	1.1	2	11.99
252.2	247	6.38	291.0	248	5.56	DETROIT	31.0	85	17.87	34.0	93	17.83
7.6	5	4.29	11.2	4	2.33	DUBUQUE	0.0	1	957.10	0.0	0	0.00
32.3	15	3.09	36.5	20	4.02	DULUTH	0.2	0	0.00	0.1	0	0.00
5.3	7	8.57	7.9	10	8.27	DURHAM	2.2	7	20.99	2.9	10	23.06
15.3	17	7.26	19.2	19	6.45	EL PASO	0.5	2	27.67	0.4	1	17.48
23.0	18	5.10	29.4	18	4.16	ERIE	0.3	0	0.00	0.4	1	18.30
14.2	9	4.14	15.4	6	2.53	EUGENE	0.0	0	0.00	0.0	0	0.00
18.0	20	7.26	24.3	22	5.92	EVANSVILLE	1.4	4	18.36	1.5	5	21.50
40.8	76	12.15	57.8	90	10.16	FALL RIVER	0.5	2	24.67	0.5	1	14.26
9.3	11	7.70	10.4	9	5.67	FARGO	0.0	0	0.00	0.0	0	0.00
24.6	33	8.74	28.9	19	4.29	FLINT	1.4	5	22.73	1.5	6	25.33
33.0	27	5.34	34.7	22	4.13	FT. LAUDERDALE	2.2	8	24.02	2.2	8	23.49
6.6	10	9.95	8.5	10	7.71	FORT SMITH	0.5	1	13.42	0.4	2	22.27
18.6	17	5.97	24.8	24	6.31	FORT WAYNE	0.5	1	12.47	0.6	5	54.04
38.6	45	7.61	50.5	39	5.04	FORT WORTH	4.3	17	25.72	5.0	13	16.99
29.3	27	6.02	32.5	16	3.21	FRESNO	2.9	0	0.00	1.7	1	3.76
6.6	12	11.85	8.2	5	4.00	GADSDEN	0.9	2	13.81	1.2	4	22.39
8.1	5	4.04	9.4	2	1.39	GALVESTON	2.0	11	35.96	2.1	4	12.21
36.1	56	10.11	37.2	61	10.70	GARY	4.6	31	44.32	4.6	18	25.27
31.4	37	7.69	41.3	30	4.74	GRAND RAPIDS	0.9	4	30.61	0.9	2	14.32
6.2	7	7.40	8.1	1	1.07	GREAT FALLS	0.1	0	0.00	0.1	1	106.26
10.3	11	6.97	12.5	16	8.36	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.1	10	5.00	17.7	12	4.43	GREENSBORO	2.8	16	37.76	3.3	19	37.23
11.2	20	11.63	15.2	8	3.44	GREENVILLE	2.1	13	40.82	2.7	10	24.01
14.6	14	6.27	18.3	23	8.20	HAMILTON	0.7	2	18.38	0.7	2	18.60
30.6	28	5.96	42.0	34	5.28	HARRISBURG	1.5	7	29.99	1.9	8	28.53
59.9	59	6.43	76.4	70	5.98	HARTFORD	1.5	4	16.86	1.8	4	14.81
7.7	5	4.26	9.6	4	3.06	HONOLULU	20.8	9	2.82	16.7	28	10.97
62.2	46	4.92	78.6	69	5.73	HOUSTON	14.0	58	27.03	16.1	45	18.19
24.0	32	8.69	28.4	37	8.50	HUNTINGTON	1.0	1	6.79	0.9	0	0.00
5.4	10	12.17	6.5	4	4.04	HUNTSVILLE	1.5	2	8.83	1.8	4	14.58
50.4	50	6.47	69.9	62	5.79	INDIANAPOLIS	7.7	24	20.23	8.8	20	14.89
11.8	9	4.98	14.9	8	3.50	JACKSON MICH	0.6	0	0.00	0.3	2	37.40
7.5	9	7.00	10.9	8	4.79	JACKSON MISS	5.0	15	19.60	6.2	13	13.77
22.8	23	6.59	30.3	24	5.17	JACKSONVILLE	6.8	23	22.11	8.3	27	21.22
57.5	46	5.22	71.6	50	4.56	JERSEY CITY	2.0	8	25.99	2.4	4	10.82
29.6	33	7.27	32.1	29	5.89	JOHNSTOWN	0.3	0	0.00	0.3	1	24.03
13.8	20	9.44	18.0	17	6.17	KALAMAZOO	0.4	0	0.00	0.4	1	16.17
83.4	67	5.24	114.0	67	3.84	KANSAS CITY	10.4	25	15.62	11.6	21	11.81
9.2	19	13.50	10.2	13	8.33	KENOSHA	0.0	0	0.00	0.0	0	0.00
26.2	36	8.96	33.9	26	5.01	KNOXVILLE	2.2	10	29.45	2.8	4	9.33
6.2	4	4.21	7.4	2	1.76	LAKE CHARLES	1.8	6	21.42	1.9	11	38.52
27.2	28	6.70	37.6	24	4.17	LANCASTER	0.3	0	0.00	0.3	0	0.00
23.8	21	5.77	30.1	30	6.50	LANSING	0.4	0	0.00	0.4	2	36.20
4.2	6	9.41	5.4	4	4.86	LAREDO	0.0	0	0.00	0.0	0	0.00
7.6	10	8.58	7.0	9	8.45	LAS VEGAS	0.5	3	39.50	0.4	3	46.91
4.5	9	12.98	5.1	4	5.07	LAWTON	0.5	0	0.00	0.5	3	39.19
9.2	7	4.95	12.7	13	6.60	LEXINGTON	2.1	4	12.53	2.4	4	10.99
9.7	9	6.06	11.9	5	2.76	LIMA	0.4	0	0.00	0.4	0	0.00
14.3	14	6.38	20.2	9	2.91	LINCOLN	0.2	0	0.00	0.2	1	38.43
16.3	13	5.20	21.1	11	3.40	LITTLE ROCK	4.9	9	11.90	5.6	11	12.71
16.2	21	8.46	18.6	18	6.30	LORAIN	0.8	4	34.13	0.8	4	34.69
536.3	428	5.21	760.4	531	4.56	LOS ANGELES	34.4	77	14.60	37.4	53	9.26

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER HYPERTENSIVE DISEASE (I.S.C. 444-447)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
51.7	46	5.80	73.1	58	5.17	LOUISVILLE	7.3	23	20.60	8.7	6	4.51
8.4	4	3.11	10.2	4	2.55	LUBBOCK	0.6	1	11.01	0.3	1	12.67
7.6	3	2.56	10.8	8	4.84	LYNCHBURG	2.0	1	3.34	2.3	5	14.05
7.5	10	8.69	10.8	15	9.04	MACON	3.2	16	32.58	4.9	8	10.57
18.0	29	10.54	23.4	22	6.12	MADISON	0.1	0	0.00	0.1	0	0.00
17.6	19	7.04	24.7	22	5.81	MANCHESTER	0.0	0	0.00	0.0	0	0.00
27.8	14	3.29	41.3	26	4.11	MEMPHIS	17.8	71	26.00	20.6	99	31.43
86.9	80	6.01	95.5	34	2.32	MIAMI	5.9	15	16.61	6.3	13	13.45
2.6	1	2.47	3.1	2	4.21	MIDLAND	0.3	1	25.58	0.3	1	24.27
101.2	106	6.84	127.3	117	6.00	MILWAUKEE	2.7	5	11.99	2.5	4	10.33
126.3	106	5.37	168.1	121	4.70	MINNEAPOLIS	1.9	8	27.21	1.9	6	20.18
13.8	18	8.53	18.0	10	3.62	MOBILE	5.6	9	10.45	7.5	10	8.73
5.4	6	7.25	6.5	3	3.00	MONROE	2.8	8	18.81	3.2	2	4.13
6.8	7	6.73	10.3	18	11.40	MONTGOMERY	4.3	18	27.13	6.5	26	26.02
9.3	11	7.71	11.7	8	4.45	MUNCIE	0.5	1	13.44	0.5	0	0.00
11.2	13	7.55	13.0	11	5.51	MUSKEGON	0.6	0	0.00	0.6	2	22.65
25.1	28	7.27	36.3	20	3.59	NASHVILLE	6.1	12	12.80	7.6	22	19.01
140.8	139	6.44	189.5	181	6.23	NEWARK	12.3	35	18.55	15.5	35	14.78
61.9	70	7.38	78.8	69	5.72	NEW HAVEN	2.0	6	19.76	2.1	8	25.28
44.7	50	7.30	65.6	50	4.97	NEW ORLEANS	16.4	34	13.56	22.2	36	10.58
9.4	6	4.17	10.8	11	6.67	NEWPORT NEWS	3.9	13	21.78	3.9	12	19.94
928.0	853	6.00	1168.8	883	4.93	NEW YORK	71.5	199	18.16	9[illegible].9	196	13.91
23.8	22	6.04	31.6	27	5.58	NORFOLK	9.3	31	21.78	10.7	28	17.07
3.5	0	0.00	3.7	1	1.76	ODESSA	0.2	0	0.00	0.2	1	36.06
8.0	3	2.46	9.1	2	1.44	OGDEN	0.2	0	0.00	0.1	0	0.00
38.3	21	3.58	50.2	34	4.42	OKLAHOMA CITY	3.3	13	26.07	3.4	8	15.28
38.2	49	8.38	48.4	34	4.58	OMAHA	2.0	4	13.00	2.3	5	13.92
25.6	16	4.08	30.4	10	2.15	ORLANDO	3.3	14	27.93	3.4	6	11.55
101.8	99	6.35	129.9	117	5.88	PATERSON	2.2	10	29.39	2.8	8	18.81
9.8	7	4.68	11.8	8	4.42	PENSACOLA	2.1	2	6.14	2.6	5	12.34
25.9	29	7.31	33.3	32	6.26	PEORIA	0.6	1	10.44	0.7	3	28.96
337.3	306	5.92	451.3	375	5.42	PHILADELPHIA	43.7	118	17.62	52.2	111	13.88
48.3	43	5.81	52.2	35	4.38	PHOENIX	2.5	4	10.25	2.0	6	19.36
218.2	196	5.86	256.9	237	6.02	PITTSBURGH	13.4	34	16.53	13.3	37	18.09
14.7	17	7.53	20.7	30	9.44	PITTSFIELD	0.2	0	0.00	0.2	0	0.00
19.3	17	5.76	27.6	26	6.16	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
88.7	49	3.61	109.1	48	2.87	PORTLAND OREG.	1.9	7	24.19	1.4	0	0.00
71.3	106	9.69	97.5	141	9.44	PROVIDENCE	1.1	2	11.98	1.2	4	22.68
6.7	1	0.97	7.9	6	4.95	PROVO	0.0	0	0.00	0.0	0	0.00
11.6	6	3.38	13.6	7	3.36	PUEBLO	0.3	0	0.00	0.3	0	0.00
12.7	12	6.17	15.2	13	5.60	RACINE	0.2	1	- - -	0.2	2	79.04
8.5	9	6.88	11.4	4	2.28	RALEIGH	2.7	12	28.71	3.5	5	9.33
29.8	33	7.23	34.5	47	8.40	READING	0.3	0	0.00	0.3	1	19.47
7.3	12	10.69	7.3	12	10.75	RENO	0.2	1	27.65	0.2	0	0.00
24.2	15	4.05	37.1	18	3.16	RICHMOND	7.4	18	15.88	8.9	28	20.43
12.3	12	6.36	16.8	5	1.94	ROANOKE	1.6	9	36.87	1.9	7	24.07
57.6	51	5.78	78.2	48	4.01	ROCHESTER	1.0	1	6.45	1.1	2	12.00
17.5	22	8.27	21.7	20	6.03	ROCKFORD	0.4	0	0.00	0.5	1	14.47
36.8	21	3.72	40.9	23	3.67	SACRAMENTO	2.7	3	7.29	1.7	1	3.89
14.8	22	9.73	18.0	21	7.63	SAGINAW	0.8	3	25.78	0.8	3	25.03
11.7	16	8.91	15.8	12	4.96	ST. JOSEPH	0.4	0	0.00	0.5	0	0.00
161.0	181	7.34	222.3	190	5.58	ST. LOUIS	21.8	76	22.76	26.0	61	15.28
27.3	11	2.63	36.4	19	3.60	SALT LAKE CITY	0.6	2	23.64	0.3	0	0.00
5.6	4	4.68	6.9	3	2.86	SAN ANGELO	0.3	0	0.00	0.3	1	20.62
43.4	36	5.11	58.6	43	4.79	SAN ANTONIO	3.0	7	14.99	4.3	5	7.67
76.0	36	3.09	86.7	33	2.48	SAN BERNARDINO	2.4	1	2.70	2.3	4	11.22
74.4	49	4.29	95.6	48	3.28	SAN DIEGO	2.4	4	10.94	2.3	3	8.52
229.8	184	5.22	302.0	177	3.82	SAN FRANCISCO	20.0	33	10.74	16.9	27	10.41
44.7	25	3.65	59.3	26	2.86	SAN JOSE	1.5	2	8.80	1.1	2	12.30
14.4	9	4.07	19.4	9	3.03	SANTA BARBARA	0.5	2	27.26	0.3	0	0.00
7.9	4	3.32	11.5	2	1.13	SAVANNAH	4.0	11	18.00	5.5	6	7.16
24.7	26	6.89	32.6	40	8.01	SCRANTON	0.1	0	0.00	0.1	0	0.00
103.8	50	3.14	124.3	61	3.20	SEATTLE	4.4	5	7.48	2.9	3	6.82
13.4	10	4.86	17.5	9	3.36	SHREVEPORT	7.8	18	15.00	9.8	23	15.36
12.1	11	5.94	14.1	8	3.70	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
7.9	8	6.62	9.3	6	4.19	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
19.9	25	8.22	24.0	19	5.17	SOUTH BEND	0.8	5	38.58	0.8	2	15.76
30.8	18	3.81	35.0	13	2.43	SPOKANE	0.4	0	0.00	0.3	1	19.71
15.1	25	10.80	20.3	23	7.38	SPRINGFIELD I.	0.6	2	20.38	0.8	1	8.52
13.8	22	10.39	18.4	11	3.91	SPRINGFIELD MO	0.3	1	21.27	0.3	0	0.00
12.3	8	4.26	15.8	9	3.71	SPRINGFIELD O.	1.1	2	12.21	1.4	6	28.13
50.1	53	6.91	69.3	52	4.89	SPRINGFIELD MA	0.8	1	8.65	0.9	1	7.04
15.4	19	8.07	16.0	19	7.75	STEUBENVILLE	0.6	1	11.50	0.5	2	24.11
24.2	14	3.79	24.2	16	4.31	STOCKTON	2.8	1	2.32	1.2	0	0.00
52.8	45	5.56	68.0	55	5.27	SYRACUSE	0.7	3	28.29	0.7	3	26.37
30.7	25	5.31	35.1	9	1.67	TACOMA	0.6	1	10.24	0.5	0	0.00
110.8	94	5.54	121.1	77	4.15	TAMPA	5.8	29	32.53	6.4	17	17.34
12.1	29	15.62	15.4	29	12.28	TERRE HAUTE	0.5	2	24.99	0.6	3	32.67
7.4	5	4.40	8.9	6	4.40	TEXARKANA	2.3	7	19.49	2.6	1	2.51
40.3	51	8.25	52.2	61	7.62	TOLEDO	2.8	5	11.76	3.0	8	17.42
12.5	23	11.98	17.3	22	8.30	TOPEKA	1.0	2	13.03	1.0	3	18.68
22.1	21	6.19	28.5	23	5.27	TRENTON	1.9	3	10.42	2.0	8	26.67
18.8	13	4.52	21.8	15	4.49	TUCSON	1.2	2	10.83	1.1	3	18.03
32.6	33	6.61	41.1	31	4.92	TULSA	3.2	6	12.08	3.8	10	17.17
6.6	9	8.96	8.0	11	8.92	TUSCALOOSA	2.2	9	26.14	2.5	12	31.28
5.9	4	4.44	7.4	2	1.77	TYLER	2.0	4	13.30	2.2	0	0.00
36.0	50	9.05	45.5	46	6.60	UTICA	0.3	1	24.44	0.2	0	0.00
12.1	8	4.33	15.5	5	2.11	WACO	2.2	2	5.85	2.[illegible]	6	14.46
100.0	92	6.00	151.5	128	5.51	WASHINGTON	28.9	99	22.32	35.4	93	17.13
10.6	11	6.80	13.5	13	6.29	WATERLOO	0.3	0	0.00	0.3	1	24.63
24.0	11	2.99	26.8	12	2.92	W. PALM BEACH	3.3	9	17.72	2.6	9	22.57
22.5	18	5.23	27.1	20	4.82	WHEELING	0.6	1	10.83	0.6	0	0.00
22.9	23	6.54	30.6	31	6.52	WICHITA	1.2	2	10.64	1.3	3	15.63
9.5	4	2.74	11.5	4	2.27	WICHITA FALLS	0.6	1	10.98	0.6	1	10.61
35.0	49	9.13	46.4	62	8.72	WILKES-BARRE	0.1	1	67.32	0.1	1	61.00
26.0	20	5.02	33.6	38	7.38	WILMINGTON	3.3	9	18.01	3.2	7	14.19
9.3	7	4.91	12.7	5	2.57	WINSTON-SALEM	2.7	26	62.30	3.7	26	45.83
62.5	42	4.38	84.6	47	3.62	WORCESTER	0.3	0	0.00	0.4	0	0.00
23.1	24	6.77	28.4	17	3.90	YORK	0.3	0	0.00	0.4	0	0.00
43.7	64	9.56	48.8	59	7.88	YOUNGSTOWN	3.2	12	24.49	2.9	17	38.11
8938.3	8519	6.22	11532.5	9107	5.15	TOTAL 201 SMSA	821.0	2383	18.94	938.2	2226	15.48

ALL AGE STANDARD RATE = 6.52

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEA.LY RATES PER 100,000
GENERAL ARTERIOSCLEROSIS (I.S.C. 450)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
25.1	25	17.92	34.3	19	9.96	ABILENE	1.0	2	36.59	1.2	0	0.00
96.2	135	25.22	134.5	150	20.05	AKRON	4.7	10	38.05	5.6	4	12.88
4.7	3	11.36	7.0	5	12.92	ALBANY GA	4.6	6	23.47	6.5	4	11.05
182.6	263	23.92	276.7	338	21.96	ALBANY NY	2.5	2	14.29	3.0	4	24.36
30.8	26	15.16	40.2	37	16.54	ALBUQUERQUE	0.8	2	45.90	0.9	1	20.20
129.7	156	21.62	183.8	153	14.97	ALLENTOWN	0.6	1	30.27	0.8	0	0.00
44.5	75	30.29	61.3	71	20.81	ALTOONA	0.2	0	0.00	0.4	2	102.65
20.4	39	34.43	29.7	24	14.51	AMARILLO	0.8	0	0.00	0.9	1	18.94
29.4	35	21.38	49.5	67	24.31	ANN ARBOR	1.5	2	24.49	1.8	0	0.00
31.7	24	13.63	44.8	23	9.22	ASHEVILLE	3.3	6	32.23	4.8	2	7.50
123.3	137	19.97	217.2	151	17.49	ATLANTA	32.3	57	31.72	49.8	30	10.82
49.2	39	14.26	69.1	56	14.56	ATLANTIC CITY	7.9	6	18.19	9.5	6	11.41
19.1	18	16.91	33.6	19	10.15	AUGUSTA	11.4	14	22.15	15.8	7	7.97
37.6	26	12.44	57.5	30	9.38	AUSTIN	6.9	2	5.17	9.5	7	13.19
50.1	28	10.05	55.5	23	7.45	BAKERSFIELD	3.9	0	0.00	2.5	1	7.05
265.0	225	15.26	434.1	354	14.66	BALTIMORE	48.6	46	17.02	62.3	56	16.16
17.7	19	19.24	29.3	30	18.39	BATON ROUGE	13.7	44	57.86	16.7	34	36.51
23.6	25	19.05	31.2	24	13.81	BAY CITY	0.1	0	0.00	0.1	0	0.00
36.5	43	21.19	52.3	42	14.44	BEAUMONT	9.8	9	16.44	9.9	8	14.50
17.0	45	47.67	19.2	28	26.21	BILLINGS	0.2	1	112.59	0.2	0	0.00
54.2	44	14.58	81.4	66	14.57	BINGHAMTON	0.4	0	0.00	0.3	0	0.00
81.7	88	19.37	124.1	97	14.06	BIRMINGHAM	39.7	85	38.51	55.1	67	21.85
832.6	899	19.41	1386.3	1438	18.65	BOSTON	16.7	15	16.13	21.2	23	19.48
152.9	181	21.28	225.1	277	27.12	BRIDGEPORT	4.0	2	9.07	4.6	1	3.91
76.2	65	15.33	115.3	94	14.65	BROCKTON	1.9	2	18.79	1.2	2	29.37
24.0	22	16.51	29.1	35	21.62	BROWNSVILLE	0.3	1	63.16	0.1	0	0.00
283.7	265	16.79	402.0	297	13.28	BUFFALO	8.8	3	6.16	9.2	3	5.84
87.2	121	24.96	116.1	125	19.35	CANTON	2.6	5	34.71	2.6	5	34.16
37.3	54	26.03	56.0	59	18.93	CEDAR RAPIDS	0.3	1	59.86	0.4	0	0.00
23.4	33	25.38	35.0	31	15.93	CHAMPAIGN	0.9	0	0.00	0.8	1	21.95
15.3	11	12.95	27.3	21	13.81	CHARLESTON SC	7.0	10	25.55	13.2	16	21.76
45.4	42	16.62	56.7	42	13.33	CHARLESTON WVA	3.8	3	14.03	3.9	5	23.06
28.4	34	21.54	51.7	38	13.21	CHARLOTTE	7.7	5	11.62	11.3	6	9.58
47.9	39	14.64	67.6	50	13.29	CHATTANOOGA	9.0	9	17.91	12.4	9	13.04
1166.3	1252	19.30	1670.7	1392	14.98	CHICAGO	114.1	104	16.38	146.2	110	13.52
232.7	322	24.87	385.6	430	20.04	CINCINNATI	25.1	33	23.68	26.9	45	30.04
348.9	437	22.51	495.7	509	18.46	CLEVELAND	32.9	33	18.06	42.1	63	26.88
29.3	32	19.64	48.1	43	16.08	COLORADO SPRGS	0.6	0	0.00	1.0	1	17.55
25.9	28	19.47	46.3	34	13.20	COLUMBIA	9.8	16	29.44	14.1	22	28.01
15.7	17	19.48	28.5	24	15.14	COLUMBUS GA	7.7	17	39.44	12.8	25	35.12
124.6	117	16.89	201.4	200	17.85	COLUMBUS OHIO	14.8	23	27.89	16.7	18	19.32
26.3	23	15.74	34.5	33	17.21	CORPUS CHRISTI	1.0	0	0.00	1.7	1	10.38
167.5	127	13.63	272.0	184	12.16	DALLAS	26.9	6	4.01	29.2	14	8.62
71.7	86	21.57	102.2	94	16.54	DAVENPORT	1.1	2	32.78	0.9	2	39.31
128.6	376	52.56	184.5	290	28.25	DAYTON	10.5	36	61.77	11.4	29	45.89
32.9	45	24.58	47.8	53	19.93	DECATUR	1.0	1	18.02	1.0	0	0.00
199.1	248	22.39	303.9	285	16.85	DENVER	6.4	7	19.62	8.1	5	11.03
64.0	115	32.32	102.0	108	19.03	DES MOINES	2.7	5	33.82	3.3	3	16.16
575.7	562	17.55	764.8	570	13.40	DETROIT	60.8	42	12.42	75.5	40	9.52
22.7	52	41.23	38.1	67	31.58	DUBUQUE	0.0	0	0.00	0.0	2	- - -
92.5	164	31.88	95.6	96	18.04	DULUTH	0.6	0	0.00	0.4	0	0.00
12.8	11	15.50	22.7	21	16.64	DURHAM	5.2	10	34.85	7.4	6	14.62
35.0	37	18.98	50.4	42	14.97	EL PASO	1.1	1	16.12	0.8	1	22.45
63.6	78	22.06	85.2	75	15.83	ERIE	0.7	1	25.49	0.9	2	41.43
38.6	26	12.09	45.1	36	14.36	EUGENE	0.1	0	0.00	0.1	0	0.00
50.0	103	37.01	75.3	120	29.65	EVANSVILLE	4.3	25	104.64	4.4	14	56.70
112.6	107	17.08	178.9	156	15.67	FALL RIVER	1.6	0	0.00	1.3	2	26.67
25.3	23	16.33	30.7	21	12.31	FARGO	0.0	0	0.00	0.0	0	0.00
60.4	80	23.79	80.5	91	20.31	FLINT	2.6	2	13.77	3.3	3	16.22
82.3	57	12.45	89.1	56	11.30	FT. LAUDERDALE	4.3	5	20.99	4.4	3	12.19
19.3	16	14.89	26.2	22	15.07	FORT SMITH	1.6	0	0.00	1.8	0	0.00
48.8	69	25.44	74.6	97	23.38	FORT WAYNE	1.1	2	32.52	1.4	1	12.46
96.9	110	20.40	166.2	113	13.89	FORT WORTH	11.2	11	17.66	13.8	15	19.50
78.3	112	25.72	94.6	106	20.19	FRESNO	8.3	19	41.25	4.2	3	12.94
16.9	10	10.65	22.8	15	11.80	GADSDEN	2.3	0	0.00	3.1	1	5.85
18.3	26	25.54	25.0	29	20.82	GALVESTON	4.6	5	19.60	5.1	6	21.10
83.5	90	19.38	94.9	89	16.85	GARY	9.4	5	9.53	10.5	6	10.31
85.8	123	25.79	127.5	163	22.98	GRAND RAPIDS	2.0	2	17.75	2.3	2	15.55
16.7	18	19.36	16.8	13	13.91	GREAT FALLS	0.2	0	0.00	0.2	0	0.00
28.0	43	27.62	36.4	48	23.72	GREEN BAY	0.2	0	0.00	0.3	0	0.00
30.4	32	18.89	48.5	43	15.95	GREENSBORO	6.1	3	[illegible].85	8.2	6	13.19
25.9	35	24.34	40.5	42	18.62	GREENVILLE	5.2	5	17.40	7.2	9	22.40
39.1	51	23.45	55.1	66	21.52	HAMILTON	1.9	3	21.27	1.7	1	10.72
82.9	88	19.08	129.8	137	18.97	HARRISBURG	3.7	4	16.45	5.0	3	10.70
153.5	146	17.09	225.1	228	18.21	HARTFORD	3.2	1	5.61	4.2	2	8.63
14.2	15	19.05	20.5	15	13.12	HONOLULU	50.5	59	13.89	38.8	22	10.19
136.8	123	16.16	205.0	164	14.38	HOUSTON	32.0	24	13.47	41.3	16	6.96
68.7	74	19.36	85.3	80	16.87	HUNTINGTON	3.1	0	0.00	2.7	1	6.66
12.2	10	14.75	16.8	12	12.81	HUNTSVILLE	4.2	5	21.52	5.2	3	10.28
132.5	174	23.60	408.8	234	20.15	INDIANAPOLIS	20.2	39	34.66	24.0	32	23.93
32.6	51	28.10	47.5	63	23.86	JACKSON MICH	1.1	0	0.00	0.9	0	0.00
18.2	27	26.65	31.5	19	10.85	JACKSON MISS	14.0	11	14.10	18.4	8	7.80
52.9	50	17.00	83.7	79	16.97	JACKSONVILLE	16.3	30	33.02	21.1	12	10.23
141.7	116	14.46	195.9	158	14.50	JERSEY CITY	4.1	3	13.00	5.5	4	13.00
83.6	175	37.65	94.7	152	28.94	JOHNSTOWN	0.7	1	26.42	0.7	3	82.48
38.0	42	19.89	55.1	71	23.15	KALAMAZOO	1.0	0	0.00	1.2	1	15.33
227.1	281	22.25	353.5	374	19.02	KANSAS CITY	28.4	71	45.00	32.9	56	30.59
23.7	25	18.94	28.5	35	22.04	KENOSHA	0.1	0	0.00	0.1	0	0.00
66.7	80	21.57	96.1	95	17.76	KNOXVILLE	5.9	19	58.18	7.9	13	29.55
13.8	15	19.57	19.5	12	11.03	LAKE CHARLES	4.9	4	14.69	5.0	1	3.63
79.7	113	25.50	124.2	138	19.97	LANCASTER	0.8	1	23.30	0.7	1	25.38
64.9	119	32.95	92.5	122	23.70	LANSING	0.9	1	19.84	0.9	2	40.46
10.7	6	10.06	15.2	5	5.93	LAREDO	0.0	0	0.00	0.0	0	0.00
14.7	21	25.70	14.9	13	15.64	LAS VEGAS	0.9	0	0.00	0.7	2	51.27
11.7	11	16.89	14.5	10	12.42	LAWTON	1.2	1	15.57	1.3	1	13.40
24.6	33	24.08	39.3	49	22.43	LEXINGTON	5.9	9	27.50	7.1	10	25.38
28.1	26	16.61	37.0	47	22.83	LIMA	0.9	1	18.96	1.1	0	0.00
41.7	52	22.39	66.3	51	13.82	LINCOLN	0.5	0	0.00	0.4	0	0.00
42.9	41	17.17	63.2	46	13.08	LITTLE ROCK	14.9	8	9.67	17.1	8	8.61
41.7	66	28.42	53.7	55	18.40	LORAIN	1.9	5	47.82	2.0	2	17.73
1392.2	1670	21.56	2300.9	2119	16.50	LOS ANGELES	76.4	62	14.58	87.8	58	11.88

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

GENERAL ARTERIOSCLEROSIS (I.S.C. 450)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
136.1	186	26.20	224.2	210	16.83	LOUISVILLE	19.7	17	15.48	24.9	40	28.93
20.1	19	13.44	27.4	8	5.25	LUBBOCK	1.4	1	13.12	1.1	0	0.00
21.0	17	14.54	33.5	28	15.01	LYNCHBURG	5.6	7	22.58	6.9	4	10.40
16.5	24	27.25	29.6	43	26.15	MACON	7.7	22	51.15	13.8	22	28.61
49.3	48	17.49	72.6	62	15.36	MADISON	0.3	0	0.00	0.3	0	0.00
48.2	143	53.36	77.3	169	39.31	MANCHESTER	0.2	0	0.00	0.1	0	0.00
67.3	99	26.44	121.8	129	19.04	MEMPHIS	50.0	79	28.38	59.3	59	17.87
224.1	186	14.92	294.4	193	10.81	MIAMI	10.7	10	16.85	12.3	9	13.13
5.0	6	21.54	7.1	3	7.58	MIDLAND	0.4	0	0.00	0.5	0	0.00
256.9	298	20.85	367.6	390	19.08	MILWAUKEE	5.5	7	22.69	4.8	4	14.85
339.6	297	15.72	510.9	460	15.48	MINNEAPOLIS	4.7	3	11.42	5.1	4	13.98
31.9	25	14.09	50.4	45	16.06	MOBILE	13.4	10	13.40	20.4	5	4.42
14.2	21	26.04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15.9	17	19.22	30.3	19	11.28	MONTGOMERY	11.6	24	37.21	19.6	33	30.33
26.1	25	17.22	36.1	37	18.45	MUNCIE	1.6	0	0.00	1.2	0	0.00
29.5	34	21.90	37.3	38	18.29	MUSKEGON	1.2	4	59.07	1.2	1	14.82
66.0	93	14.44	109.9	70	11.45	NASHVILLE	16.7	20	21.57	21.0	19	16.29
355.2	335	16.99	555.0	466	15.00	NEWARK	25.9	17	11.81	37.0	21	10.21
166.8	149	15.69	297.3	223	14.89	NEW HAVEN	5.3	7	23.67	5.2	2	6.03
104.1	106	17.97	147.5	158	15.15	NEW ORLEANS	38.6	33	15.36	59.9	41	12.31
20.6	19	13.06	28.4	25	15.83	NEWPORT NEWS	8.9	12	24.35	9.4	10	19.03
2297.8	2026	15.85	3471.6	2596	14.16	NEW YORK	143.6	151	18.90	204.1	188	16.40
92.4	68	23.39	85.7	78	16.36	NORFOLK	21.9	34	27.90	26.8	34	22.84
5.6	6	19.26	7.4	0	0.00	ODESSA	0.2	0	0.00	0.3	0	0.00
20.6	21	18.31	25.4	14	9.93	OGDEN	0.7	0	0.00	0.2	0	0.00
101.5	76	13.10	149.9	93	11.15	OKLAHOMA CITY	9.1	11	21.92	8.7	4	8.26
102.8	124	21.60	145.6	134	14.43	OMAHA	5.4	5	16.77	7.0	9	23.07
71.1	57	14.42	90.7	48	9.91	ORLANDO	7.8	7	16.20	8.7	3	6.19
250.7	278	19.94	364.3	423	20.97	PATERSON	4.8	7	27.16	6.2	6	17.34
22.8	25	19.70	37.2	29	14.21	PENSACOLA	5.5	6	19.57	7.0	6	15.32
70.4	191	38.54	102.3	203	35.40	PEORIA	1.7	3	32.14	1.8	3	30.03
866.8	1026	21.28	1331.2	1359	18.35	PHILADELPHIA	100.2	112	20.10	131.1	117	16.04
110.6	120	18.19	136.0	109	14.61	PHOENIX	6.6	3	8.22	5.0	4	14.45
573.8	678	21.24	737.6	740	18.18	PITTSBURGH	32.5	46	25.43	34.2	40	21.02
42.1	30	12.81	67.3	57	15.26	PITTSFIELD	0.6	0	0.00	0.6	0	0.00
56.9	49	15.44	91.7	78	15.20	PORTLAND MAINE	0.2	0	0.00	0.2	0	0.00
249.2	301	21.71	336.7	307	15.86	PORTLAND OREG.	4.7	5	19.06	3.0	5	30.17
193.9	146	13.53	406.2	236	14.32	PROVIDENCE	3.0	2	12.18	3.3	3	16.40
17.3	8	8.30	22.8	17	13.30	PROVO	0.1	0	0.00	0.1	0	0.00
33.9	12	6.36	44.9	18	7.36	PUEBLO	1.1	0	0.00	1.0	0	0.00
34.2	45	23.63	44.0	59	23.62	RACINE	0.3	1	- - -	0.3	0	0.00
20.5	16	12.29	31.5	24	13.68	RALEIGH	6.9	5	13.10	9.8	11	20.15
81.0	129	27.31	107.7	117	19.53	READING	0.8	0	0.00	0.8	3	65.31
18.2	15	14.82	19.1	9	8.40	RENO	0.6	0	0.00	0.4	0	0.00
60.8	67	19.81	110.7	119	18.69	RICHMOND	18.2	24	23.76	22.5	26	20.77
32.1	31	17.36	50.8	41	14.51	ROANOKE	3.9	4	36.87	5.0	7	25.00
197.4	192	17.34	266.1	189	13.92	ROCHESTER	2.0	3	27.94	2.3	2	15.76
45.3	46	18.24	44.7	49	13.67	ROCKFORD	0.8	0	0.00	1.1	1	15.69
92.1	68	13.27	115.9	74	11.92	SACRAMENTO	6.3	0	0.00	3.3	4	21.72
39.7	59	26.71	53.6	72	24.13	SAGINAW	1.2	0	0.00	1.7	1	10.77
36.1	22	10.95	52.5	42	14.37	ST. JOSEPH	1.2	2	29.49	1.7	3	32.57
623.5	909	21.61	672.1	583	15.50	ST. LOUIS	58.4	92	29.36	71.4	85	21.39
71.1	38	9.61	131.2	62	11.01	SALT LAKE CITY	1.0	1	11.55	0.6	0	0.00
15.4	17	19.84	20.9	41	35.38	SAN ANGELO	0.7	1	23.34	0.8	0	0.00
109.8	124	20.39	170.0	187	16.48	SAN ANTONIO	7.2	8	20.01	12.1	12	17.77
211.8	207	17.57	258.0	245	17.07	SAN BERNARDINO	5.8	7	21.89	6.4	2	5.60
194.2	160	15.66	283.0	276	14.31	SAN DIEGO	6.8	9	11.33	9.1	2	7.04
590.7	588	17.89	900.9	771	15.40	SAN FRANCISCO	30.6	32	14.54	34.1	21	11.06
114.8	94	13.47	179.3	135	13.61	SAN JOSE	3.6	2	9.95	2.4	0	0.00
39.2	32	14.60	59.7	29	8.73	SANTA BARBARA	1.0	0	0.00	0.9	0	0.00
18.2	16	13.89	32.4	21	11.67	SAVANNAH	9.6	8	15.36	14.3	19	23.92
65.0	82	22.68	92.9	133	25.76	SCRANTON	0.2	1	98.54	0.3	1	61.96
286.4	352	22.08	474.5	389	14.27	SEATTLE	10.7	6	9.93	6.7	7	18.71
33.5	21	11.26	40.6	29	10.96	SHREVEPORT	23.2	10	7.75	29.8	12	7.24
36.2	54	26.80	44.0	56	22.08	SIOUX CITY	0.4	1	43.76	0.6	0	0.00
22.3	23	18.54	27.8	24	15.52	SIOUX FALLS	0.2	0	0.00	0.3	0	0.00
52.6	59	20.15	60.1	76	19.77	SOUTH BEND	1.9	1	9.38	1.8	0	0.00
92.9	75	14.52	111.1	81	13.11	SPOKANE	1.1	0	0.00	0.9	0	0.00
43.3	40	16.62	63.7	33	9.32	SPRINGFIELD I.	1.9	0	0.00	2.4	2	14.87
41.7	56	24.17	59.9	65	19.52	SPRINGFIELD MO	0.9	1	19.26	1.2	0	0.00
36.8	35	17.09	51.5	90	17.44	SPRINGFIELD O.	2.9	6	37.04	4.2	4	16.96
135.5	127	16.85	214.0	158	13.27	SPRINGFIELD MA	1.7	2	21.41	2.4	3	22.86
40.8	48	21.60	45.2	48	19.09	STEUBENVILLE	1.3	2	26.80	1.2	2	28.92
66.3	82	22.24	71.0	79	20.00	STOCKTON	6.8	6	15.93	2.8	3	19.00
146.1	192	23.62	213.9	264	22.10	SYRACUSE	1.5	1	12.16	1.9	1	9.23
87.5	168	34.53	107.6	132	22.05	TACOMA	1.2	4	59.37	1.0	0	0.00
332.6	265	14.32	366.9	267	13.08	TAMPA	14.3	16	20.10	16.4	15	16.68
35.6	48	24.26	48.7	71	24.18	TERRE HAUTE	1.4	0	0.00	1.8	2	19.87
20.6	13	11.32	27.0	13	8.66	TEXARKANA	7.0	2	5.12	8.0	3	6.76
106.7	317	53.42	154.7	348	41.97	TOLEDO	6.6	19	52.05	7.5	15	35.74
36.8	59	26.86	56.5	71	22.50	TOPEKA	3.2	4	22.78	3.0	0	0.00
55.6	78	24.27	82.4	94	20.91	TRENTON	4.1	5	22.07	4.7	6	22.05
44.9	41	16.42	56.6	98	18.61	TUCSON	3.2	2	11.13	3.0	4	26.28
87.2	98	20.25	120.5	83	12.36	TULSA	9.1	12	23.61	11.3	11	17.52
17.0	12	12.69	23.6	19	14.67	TUSCALOOSA	6.6	10	27.08	6.8	4	10.50
15.9	11	12.76	21.9	11	9.18	TYLER	5.5	2	6.49	6.3	4	11.37
104.9	117	20.05	147.2	153	18.68	UTICA	0.6	0	0.00	0.6	1	32.63
32.8	32	17.52	47.4	54	20.46	WACO	6.5	1	2.79	8.5	4	8.50
229.1	240	18.83	435.2	422	17.43	WASHINGTON	65.0	77	21.31	89.6	86	17.25
29.9	48	28.62	42.4	49	20.77	WATERLOO	0.6	0	0.00	0.7	1	26.16
88.0	93	14.02	74.0	46	10.60	W. PALM BEACH	7.2	8	19.96	5.6	3	9.63
65.6	77	21.10	86.6	69	14.33	WHEELING	2.0	2	18.30	1.8	1	10.01
56.8	76	23.24	90.0	86	16.77	WICHITA	3.2	2	11.16	3.2	5	27.82
25.5	17	12.00	32.7	13	7.15	WICHITA FALLS	1.4	1	12.61	1.4	1	12.84
87.6	132	27.08	130.2	140	20.43	WILKES-BARRE	0.2	0	0.00	0.3	0	0.00
66.3	66	17.35	98.4	92	16.80	WILMINGTON	8.0	17	36.36	8.0	10	22.38
21.7	22	18.25	34.9	29	15.12	WINSTON-SALEM	6.1	14	41.26	9.4	17	32.64
177.5	160	16.20	271.0	223	14.70	WORCESTER	1.0	0	0.00	1.2	0	0.00
64.0	101	28.35	89.8	121	25.36	YORK	0.8	2	45.85	1.0	3	56.41
115.3	171	24.65	130.2	165	21.30	YOUNGSTOWN	7.5	15	35.83	6.6	7	18.95
25123.5	24552	19.86	33804.8	31303	16.69	TOTAL 201 SMSA	1931.8	2236	20.81	2373.0	2163	16.38

ALL AGE STANDARD RATE = 17.98

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CHRONIC AND UNSPECIFIED NEPHRITIS AND OTHER RENAL SCLEROSIS (I.S.C. 592-594)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
8.5	12	8.23	9.8	6	3.56	ABILENE	0.4	2	31.51	0.4	0	0.00
37.5	30	4.63	42.8	24	3.25	AKRON	2.4	8	19.16	2.5	6	13.73
2.6	2	4.42	2.9	1	1.98	ALBANY GA	1.5	8	31.54	2.1	7	19.64
58.2	67	6.68	72.5	66	5.28	ALBANY NY	1.1	4	21.86	1.1	2	10.13
14.7	31	12.22	16.2	19	6.81	ALBUQUERQUE	0.4	1	13.82	0.4	0	0.00
43.6	46	6.12	51.4	42	4.73	ALLENTOWN	0.3	2	40.56	0.3	1	19.76
13.1	23	10.21	15.9	25	9.13	ALTOONA	0.1	1	63.59	0.1	0	0.00
9.1	9	5.75	10.1	4	2.29	AMARILLO	0.4	2	26.27	0.4	1	13.18
11.0	12	6.33	13.4	12	5.20	ANN ARBOR	0.8	2	14.20	0.8	1	7.35
10.0	10	5.78	12.2	4	1.91	ASHEVILLE	1.2	4	19.96	1.4	3	12.37
52.5	63	6.96	67.7	57	4.88	ATLANTA	13.5	64	27.48	17.7	82	26.83
14.2	11	4.49	17.5	11	3.64	ATLANTIC CITY	2.5	4	9.25	2.9	7	13.99
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AUGUSTA	4.0	[illegible]	[illegible]	8.1	24	19.13
13.3	11	4.81	16.0	3	1.09	AUSTIN	2.0	5	14.49	2.6	5	11.31
19.6	24	7.09	19.8	9	2.64	BAKERSFIELD	1.6	2	7.25	1.1	5	25.36
104.3	124	6.89	128.4	91	4.11	BALTIMORE	23.2	96	21.47	25.1	71	16.38
9.1	6	3.84	10.8	7	3.76	BATON ROUGE	4.5	4	5.15	5.4	5	5.40
8.1	12	9.61	9.2	7	4.43	BAY CITY	0.0	0	0.00	0.0	0	0.00
16.6	19	6.64	18.5	15	4.71	BEAUMONT	4.0	23	33.22	4.2	18	24.96
5.8	5	4.97	4.2	1	0.96	BILLINGS	0.1	0	0.00	0.1	1	109.78
18.0	21	6.76	21.8	12	3.19	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
31.0	26	4.86	38.4	28	4.23	BIRMINGHAM	14.8	33	12.89	18.2	38	12.12
263.8	280	6.15	349.5	286	4.72	BOSTON	6.2	16	14.87	6.8	10	8.48
53.1	47	5.19	63.7	60	5.46	BRIDGEPORT	1.9	7	21.20	2.2	7	18.57
22.0	16	4.22	27.3	18	3.82	BROCKTON	0.5	0	0.00	0.4	0	0.00
8.9	14	9.11	9.8	12	7.07	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
101.7	106	6.04	119.0	71	3.46	BUFFALO	5.0	13	15.10	4.9	12	14.07
27.7	19	3.97	31.6	22	4.03	CANTON	1.2	6	29.98	1.2	9	44.89
11.3	7	3.50	13.9	8	3.36	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
8.3	14	9.74	9.6	9	5.41	CHAMPAIGN	0.4	0	0.00	0.4	1	13.85
8.0	10	7.29	9.5	3	1.86	CHARLESTON SC	3.7	10	15.68	5.0	22	25.38
17.1	29	9.81	19.3	19	5.72	CHARLESTON WVA	1.2	2	9.33	1.6	0	0.00
13.1	13	5.76	16.9	7	2.40	CHARLOTTE	3.6	7	11.27	4.4	11	14.42
17.4	23	7.68	21.2	16	4.37	CHATTANOOGA	3.4	11	18.55	4.3	16	21.56
446.7	489	6.27	518.6	449	5.02	CHICAGO	54.8	119	12.47	60.9	101	9.61
77.4	76	5.69	101.2	64	3.66	CINCINNATI	9.2	20	12.66	10.1	18	10.30
128.5	107	4.83	151.8	76	2.93	CLEVELAND	16.0	32	11.62	17.6	23	7.58
9.8	6	3.54	12.3	5	2.36	COLORADO SPRGS	0.3	0	0.00	0.3	0	0.00
12.0	10	4.83	14.4	10	4.06	COLUMBIA	4.3	11	14.97	5.1	12	13.77
8.7	12	8.03	10.2	14	7.93	COLUMBUS GA	3.4	15	25.51	4.6	11	13.92
44.2	35	4.59	55.5	34	3.55	COLUMBUS OHIO	5.7	15	15.17	6.0	13	12.69
12.3	15	7.07	13.4	13	5.62	CORPUS CHRISTI	0.6	1	9.62	0.7	0	0.00
65.8	44	3.87	82.4	44	3.09	DALLAS	10.0	19	11.02	10.9	15	7.98
23.0	25	6.31	26.9	13	2.81	DAVENPORT	0.4	0	0.00	0.4	0	0.00
46.1	35	4.40	56.4	29	3.09	DAYTON	4.4	11	14.39	4.6	10	12.50
9.7	7	4.19	12.0	4	1.93	DECATUR	0.4	0	0.00	0.4	1	14.77
67.4	60	5.16	82.4	39	2.76	DENVER	2.5	3	6.94	2.7	4	8.53
20.7	23	6.43	24.6	13	2.86	DES MOINES	0.8	2	14.12	0.9	4	24.69
245.4	242	5.72	266.5	167	3.63	DETROIT	33.7	71	12.21	35.9	75	12.11
6.5	9	7.14	8.6	6	4.06	DUBUQUE	0.0	0	0.00	0.0	0	0.00
27.0	16	3.44	27.1	10	2.14	DULUTH	0.2	0	0.00	0.1	1	46.64
5.3	6	6.54	6.9	3	2.51	DURHAM	2.2	19	47.57	2.7	20	42.27
16.5	23	8.10	18.8	24	7.39	EL PASO	0.6	1	10.46	0.4	4	53.07
20.4	18	5.12	23.7	19	4.65	ERIE	0.4	0	0.00	0.4	1	15.31
12.9	11	4.95	13.5	3	1.29	EUGENE	0.1	0	0.00	0.0	0	0.00
15.8	16	5.88	19.8	10	2.92	EVANSVILLE	1.2	3	14.73	1.3	4	17.87
35.5	44	7.19	46.4	42	5.25	FALL RIVER	0.4	1	12.94	0.4	1	16.16
8.4	4	2.76	9.0	3	1.94	FARGO	0.0	0	0.00	0.0	0	0.00
23.9	31	7.91	26.2	14	3.10	FLINT	1.7	5	16.60	1.8	4	13.07
29.0	20	4.00	30.9	15	2.82	FT. LAUDERDALE	2.6	13	29.38	2.6	13	28.76
5.6	6	6.25	6.8	1	0.85	FORT SMITH	0.4	1	14.79	0.5	1	12.01
17.1	36	12.24	20.9	21	5.83	FORT WAYNE	0.6	1	9.85	0.6	2	17.98
37.0	41	6.43	44.3	30	3.93	FORT WORTH	4.1	10	14.13	4.6	13	16.23
26.5	29	6.37	28.4	19	3.88	FRESNO	2.4	3	7.12	1.7	2	6.72
6.2	7	6.57	7.2	3	2.41	GADSDEN	0.9	4	25.08	1.1	6	31.63
8.0	9	6.52	9.7	12	7.98	GALVESTON	2.0	4	11.63	2.1	6	16.39
35.6	55	8.96	35.3	28	4.60	GARY	4.9	20	23.59	5.0	10	11.59
28.0	33	6.84	33.9	28	4.78	GRAND RAPIDS	0.9	1	6.68	0.9	1	6.30
5.6	6	6.20	5.5	4	4.24	GREAT FALLS	0.1	0	0.00	0.1	0	0.00
9.3	10	6.21	10.7	7	3.80	GREEN BAY	0.1	0	0.00	0.1	1	59.17
13.0	15	6.67	16.2	13	4.65	GREENSBORO	2.9	6	11.81	3.4	10	17.20
11.3	13	6.65	14.0	12	4.98	GREENVILLE	2.1	11	30.49	2.6	11	24.50
13.6	23	9.78	15.9	10	3.66	HAMILTON	0.7	3	25.86	0.7	2	16.52
27.3	31	6.50	34.3	22	3.72	HARRISBURG	1.5	2	7.72	1.7	4	13.60
54.9	45	4.75	64.8	47	4.20	HARTFORD	1.7	1	3.32	1.9	6	18.74
9.7	4	2.40	9.0	12	7.72	HONOLULU	21.1	38	10.45	17.6	31	10.21
64.9	66	5.93	74.5	50	3.89	HOUSTON	14.6	42	16.72	16.2	34	12.19
20.9	34	9.43	23.9	23	5.57	HUNTINGTON	0.8	5	37.52	0.8	3	21.76
5.7	9	9.18	6.3	1	0.93	HUNTSVILLE	1.4	1	4.24	1.6	7	25.04
46.6	45	5.62	58.5	34	3.35	INDIANAPOLIS	7.2	17	13.72	8.1	14	10.06
10.5	17	9.37	12.0	12	5.78	JACKSON MICH	0.6	0	0.00	0.3	0	0.00
7.4	7	5.50	9.7	8	4.79	JACKSON MISS	4.6	13	16.35	5.5	20	20.92
23.1	25	6.29	27.5	17	3.58	JACKSONVILLE	6.7	35	30.22	8.0	13	9.44
52.7	65	7.19	61.8	43	4.04	JERSEY CITY	2.2	4	10.40	2.6	1	2.25
25.3	35	8.00	27.0	38	8.16	JOHNSTOWN	0.3	2	42.99	0.3	1	21.93
12.5	11	5.08	15.1	15	5.76	KALAMAZOO	0.4	1	15.70	0.4	1	15.19
74.8	74	5.73	94.0	72	4.44	KANSAS CITY	9.3	40	24.98	10.2	41	23.20
8.4	6	4.16	8.9	7	4.59	KENOSHA	0.1	0	0.00	0.1	0	0.00
24.9	28	6.76	30.0	26	5.03	KNOXVILLE	2.0	10	28.51	2.5	7	16.29
6.7	8	6.95	7.3	7	5.59	LAKE CHARLES	1.8	6	19.57	1.8	4	12.68
23.5	26	6.42	29.7	20	3.91	LANCASTER	0.3	0	0.00	0.3	0	0.00
21.8	23	6.13	25.4	29	6.61	LANSING	0.5	1	12.53	0.4	1	13.63
4.0	2	2.90	4.9	8	9.46	LAREDO	0.0	0	0.00	0.0	0	0.00
8.2	4	2.83	7.3	3	2.38	LAS VEGAS	0.6	1	9.59	0.5	3	32.65
4.9	8	9.49	4.8	1	1.21	LAWTON	0.5	1	10.75	0.5	1	11.28
8.5	3	2.04	10.6	4	2.19	LEXINGTON	1.8	6	19.34	2.0	9	26.07
8.3	17	11.83	8.7	9	5.38	LIMA	0.5	1	12.84	0.4	2	28.25
12.5	13	6.01	16.0	8	2.90	LINCOLN	0.2	0	0.00	0.2	0	0.00
15.0	18	6.94	18.0	11	3.56	LITTLE ROCK	4.2	25	34.76	4.8	23	27.80
15.1	8	3.07	16.4	16	5.66	LORAIN	0.8	0	0.00	0.7	1	7.83
493.8	411	4.83	629.3	339	3.12	LOS ANGELES	36.2	88	14.11	38.4	64	9.67

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CHRONIC AND UNSPECIFIED NEPHRITIS AND OTHER RENAL SCLEROSIS (I.S.C. 592-594)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
47.9	57	6.90	61.2	49	4.64	LOUISVILLE	6.5	16	14.19	7.6	18	13.76
8.7	13	8.64	9.8	8	4.75	LUBBOCK	0.6	6	53.94	0.6	5	48.75
6.9	13	10.97	8.9	3	1.95	LYNCHBURG	1.7	4	13.37	2.0	7	20.23
7.8	12	8.95	9.9	10	5.86	MACON	3.2	16	29.06	4.5	15	19.40
16.5	11	3.87	19.7	11	3.24	MADISON	0.1	0	0.00	0.1	0	0.00
15.4	27	10.17	19.9	17	4.95	MANCHESTER	0.0	0	0.00	0.0	0	0.00
27.3	24	5.09	35.8	16	2.59	MEMPHIS	16.0	43	15.60	18.4	33	10.41
76.9	61	4.60	83.7	44	3.05	MIAMI	7.0	10	8.28	7.4	14	11.03
3.1	2	3.71	3.4	1	1.71	MIDLAND	0.3	1	18.71	0.3	3	54.07
93.4	62	3.85	109.1	59	3.14	MILWAUKEE	3.2	8	14.70	3.1	2	3.79
114.1	77	3.91	140.7	73	3.01	MINNEAPOLIS	1.9	1	3.12	1.8	1	3.17
13.9	17	7.10	16.4	13	4.58	MOBILE	5.7	20	20.37	7.1	19	15.55
5.1	6	6.89	5.8	4	3.99	MONROE	2.4	11	27.07	2.8	19	40.04
6.9	9	7.60	9.0	9	5.81	MONTGOMERY	4.0	20	28.71	5.6	19	19.61
8.3	10	6.97	9.8	4	2.37	MUNCIE	0.4	0	0.00	0.4	0	0.00
10.4	11	6.14	11.4	5	2.53	MUSKEGON	0.7	4	34.01	0.6	3	26.82
23.6	23	5.65	30.8	23	4.33	NASHVILLE	5.6	35	36.14	6.8	16	13.67
128.8	145	6.53	158.9	157	5.73	NEWARK	13.2	40	17.53	15.9	31	11.39
55.0	58	6.12	65.3	47	4.17	NEW HAVEN	2.0	3	8.76	2.1	4	10.92
43.9	58	7.67	57.0	61	6.20	NEW ORLEANS	16.4	35	12.40	20.6	45	12.67
10.1	15	8.58	10.4	8	4.46	NEWPORT NEWS	4.0	12	17.40	4.0	11	16.07
850.9	811	5.53	1012.4	677	3.88	NEW YORK	77.0	187	14.08	95.2	135	8.22
26.1	21	4.67	29.4	30	5.92	NORFOLK	9.4	35	21.61	10.5	34	18.83
4.4	4	5.29	4.3	1	1.34	ODESSA	0.2	0	0.00	0.2	0	0.00
7.5	6	4.63	8.2	4	2.84	OGDEN	0.2	1	26.18	0.2	0	0.00
35.5	36	5.88	43.0	28	3.78	OKLAHOMA CITY	3.0	24	45.84	3.3	16	28.05
34.5	33	5.55	40.7	20	2.85	OMAHA	1.9	5	15.47	2.1	5	14.01
22.4	20	5.18	25.5	14	3.18	ORLANDO	3.3	8	13.90	3.4	11	19.00
94.9	107	6.54	112.7	62	3.19	PATERSON	2.4	4	9.52	3.0	7	13.73
10.1	9	5.17	11.2	14	7.25	PENSACOLA	2.1	2	5.50	2.6	5	11.33
23.2	28	6.99	27.5	28	5.89	PEORIA	0.6	0	0.00	0.7	5	43.89
309.0	356	6.69	378.7	292	4.47	PHILADELPHIA	44.2	113	14.84	50.8	86	9.82
46.1	67	8.42	48.4	23	2.76	PHOENIX	2.4	9	21.45	2.1	2	5.60
195.1	280	8.32	220.0	180	4.74	PITTSBURGH	12.7	26	11.84	12.7	21	9.59
12.7	12	5.49	14.3	11	3.92	PITTSFIELD	0.1	1	43.34	0.1	0	0.00
16.3	10	3.55	21.3	18	4.89	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
75.5	64	4.92	89.0	40	2.64	PORTLAND OREG.	1.8	6	19.30	1.4	7	28.19
62.8	75	6.93	79.5	87	6.34	PROVIDENCE	1.0	1	5.77	1.1	1	5.51
6.6	7	6.16	7.3	8	6.39	PROVO	0.0	0	0.00	0.0	0	0.00
9.9	13	7.58	11.0	15	7.91	PUEBLO	0.3	1	22.13	0.3	2	45.12
11.3	4	2.05	12.8	7	3.18	RACINE	0.2	0	0.00	0.2	1	26.73
8.6	14	10.83	10.4	14	7.83	RALEIGH	2.7	9	19.40	3.2	4	7.15
25.9	27	6.04	30.2	17	3.26	READING	0.3	0	0.00	0.3	0	0.00
6.9	11	9.28	6.7	5	4.35	RENO	0.2	0	0.00	0.2	0	0.00
22.8	25	6.35	31.2	17	3.16	RICHMOND	7.2	26	20.94	8.5	18	12.26
11.3	13	6.69	14.1	7	2.88	ROANOKE	1.5	4	15.29	1.7	3	10.00
50.3	28	3.23	62.9	26	2.40	ROCHESTER	1.2	1	4.86	1.2	7	32.49
15.9	12	4.36	19.4	12	3.78	ROCKFORD	0.4	2	27.30	0.5	2	24.40
35.0	30	4.97	36.5	29	4.60	SACRAMENTO	2.7	3	6.51	1.9	4	12.22
13.4	14	6.07	15.2	12	4.57	SAGINAW	0.9	2	12.51	0.9	2	12.88
9.4	17	10.50	12.0	7	3.38	ST. JOSEPH	0.3	0	0.00	0.4	1	16.12
145.7	204	8.12	186.2	171	5.38	ST. LOUIS	20.4	100	28.41	23.9	93	22.51
25.8	39	8.77	30.1	16	3.09	SALT LAKE CITY	0.5	0	0.00	0.3	1	18.77
5.0	2	2.32	5.8	6	[illegible]	SAN ANGELO	0.2	2	46.86	0.3	1	19.94
42.3	63	[illegible]	51.5	52	5.85	SAN ANTONIO	3.1	11	20.78	3.8	9	13.61
66.6	36	3.14	72.6	35	2.80	SAN BERNARDINO	2.5	4	9.31	2.2	1	2.59
71.7	58	4.69	81.7	47	3.33	SAN DIEGO	2.9	5	9.93	2.6	3	6.69
209.9	207	5.72	251.7	118	2.72	SAN FRANCISCO	21.8	26	6.91	19.0	38	11.62
42.7	32	4.35	51.2	23	2.60	SAN JOSE	1.5	3	11.88	1.1	1	5.10
13.1	6	2.65	15.9	11	4.01	SANTA BARBARA	0.5	0	0.00	0.3	0	0.00
8.0	10	7.26	10.3	9	5.07	SAVANNAH	4.0	13	18.92	5.1	20	22.63
21.7	35	9.34	27.3	45	9.56	SCRANTON	0.1	0	0.00	0.1	0	0.00
91.1	89	5.66	103.1	65	3.65	SEATTLE	4.1	10	14.06	3.0	3	5.82
13.0	14	6.26	15.6	11	4.08	SHREVEPORT	6.8	21	17.91	8.3	22	15.30
10.0	11	6.36	11.4	9	4.57	SIOUX CITY	0.1	0	0.00	0.1	1	40.96
6.9	8	6.70	7.9	2	1.47	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
18.2	25	7.96	20.7	18	5.05	SOUTH BEND	0.9	4	26.97	0.9	5	33.31
25.5	20	4.54	29.0	12	2.48	SPOKANE	0.4	0	0.00	0.3	1	17.67
12.8	20	9.04	16.3	3	1.07	SPRINGFIELD I.	0.5	1	11.00	0.6	0	0.00
11.5	9	4.54	14.4	6	2.42	SPRINGFIELD MO	0.3	1	22.56	0.3	0	0.00
10.4	12	6.71	12.6	6	2.76	SPRINGFIELD O.	1.0	2	12.17	1.2	3	14.90
44.4	45	5.88	56.3	47	4.84	SPRINGFIELD MA	0.8	4	28.02	0.9	4	24.88
13.8	21	8.85	14.1	17	7.01	STEUBENVILLE	0.4	1	10.50	0.5	3	32.71
21.1	21	5.78	20.6	8	2.26	STOCKTON	2.6	7	15.54	1.3	3	13.66
46.5	60	7.47	55.4	39	4.08	SYRACUSE	0.8	2	15.02	0.8	0	0.00
26.9	15	3.24	28.9	10	2.00	TACOMA	0.8	1	7.23	0.6	0	0.00
86.4	76	5.10	95.1	38	2.32	TAMPA	5.8	19	19.13	6.2	20	18.60
10.1	22	12.67	12.2	17	8.08	TERRE HAUTE	0.5	7	89.33	0.5	5	59.20
6.4	21	18.99	7.3	9	7.11	TEXARKANA	1.9	5	14.90	2.2	2	5.34
36.0	39	6.27	43.1	26	3.49	TOLEDO	2.8	10	20.99	3.0	11	21.58
10.9	14	7.45	13.7	18	7.60	TOPEKA	0.9	0	0.00	0.9	2	12.70
20.3	32	9.12	24.1	18	4.33	TRENTON	2.0	8	22.83	2.1	0	0.00
18.1	30	9.59	20.2	19	5.46	TUCSON	1.2	7	35.22	1.0	0	0.00
29.7	46	8.96	35.4	41	6.71	TULSA	2.9	8	16.14	3.3	12	20.84
6.1	6	5.67	6.9	11	9.20	TUSCALOOSA	2.0	7	20.25	2.3	6	15.03
5.3	8	8.76	6.3	6	5.53	TYLER	1.7	13	43.08	1.9	2	5.97
30.4	32	6.09	36.0	27	4.35	UTICA	0.3	1	19.87	0.3	2	44.31
10.8	15	8.08	12.7	12	5.47	WACO	1.9	16	48.27	2.3	12	30.77
101.6	84	4.80	133.3	71	3.09	WASHINGTON	30.3	79	15.11	34.9	57	9.48
9.3	7	4.36	11.1	6	3.14	WATERLOO	0.3	1	20.50	0.3	1	21.29
19.8	12	3.51	21.9	5	1.32	W. PALM BEACH	3.5	6	10.01	2.8	7	14.28
18.6	26	8.10	21.4	28	7.58	WHEELING	0.5	1	11.96	0.5	2	25.67
21.9	19	5.02	26.7	17	3.69	WICHITA	1.2	0	0.00	1.3	2	9.12
9.0	7	4.51	10.1	7	4.03	WICHITA FALLS	0.6	1	9.68	0.6	0	0.00
31.7	50	9.15	39.4	55	8.08	WILKES-BARRE	0.1	0	0.00	0.1	1	59.44
24.4	41	9.73	28.9	35	7.01	WILMINGTON	3.2	8	14.65	3.1	7	12.94
9.4	11	6.77	11.7	2	0.99	WINSTON-SALEM	2.8	18	37.31	3.6	18	29.10
53.6	69	6.82	66.9	41	3.55	WORCESTER	0.3	2	38.50	0.3	0	0.00
20.3	31	8.86	23.6	33	8.09	YORK	0.3	0	0.00	0.4	0	0.00
39.1	45	6.68	42.3	37	5.08	YOUNGSTOWN	3.2	4	7.27	3.0	8	15.45
8201.3	8510	6.02	9797.7	6858	4.06	TOTAL 201 SMSA	628.6	2306	16.13	920.3	2081	13.11

ALL AGE STANDARD RATE = 5.80

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
INFLUENZA AND PNEUMONIA, EXCEPT PNEUMONIA OF NEWBORN (I.S.C. 480-483,490-493)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
47.8	49	32.20	56.9	44	24.82	ABILENE	2.2	2	29.27	2.3	3	40.96
201.8	185	26.23	236.3	97	13.17	AKRON	14.0	12	27.57	14.7	13	28.42
15.1	14	29.74	17.2	9	16.80	ALBANY GA	9.8	16	52.20	12.5	17	43.66
319.2	363	36.47	411.2	287	22.30	ALBANY NY	6.4	17	85.86	6.8	5	23.60
85.3	83	31.21	93.3	49	16.84	ALBUQUERQUE	2.7	1	11.72	2.7	2	23.77
233.3	272	37.30	284.4	182	20.52	ALLENTOWN	1.6	4	78.56	1.7	6	112.58
72.4	55	24.19	89.7	49	17.52	ALTOONA	0.5	0	0.00	0.6	0	0.00
49.3	53	34.46	57.3	22	12.31	AMARILLO	2.6	2	25.08	2.6	1	12.30
60.4	38	20.18	78.3	35	14.33	ANN ARBOR	4.2	0	0.00	4.3	5	37.06
54.7	62	36.39	67.5	62	29.45	ASHEVILLE	6.4	14	69.92	7.7	15	62.13
281.8	282	32.10	375.9	191	16.30	ATLANTA	79.6	234	94.27	101.7	175	55.18
76.1	66	26.27	98.4	53	17.27	ATLANTIC CITY	14.1	29	65.74	16.1	12	23.86
49.5	53	34.38	62.4	56	27.75	AUGUSTA	24.2	69	90.05	30.0	63	67.27
73.5	77	33.58	91.8	57	19.91	AUSTIN	12.1	17	45.02	15.0	11	23.50
107.7	190	56.56	110.3	105	30.53	BAKERSFIELD	9.0	37	131.66	6.8	8	37.68
548.9	654	38.21	711.8	455	20.50	BALTIMORE	131.6	362	88.21	145.0	181	40.04
49.6	33	21.35	60.6	19	10.06	BATON ROUGE	27.9	35	40.17	32.0	25	25.04
46.8	29	19.89	53.6	29	17.34	BAY CITY	0.3	0	0.00	0.3	0	0.00
88.2	63	22.90	101.1	71	22.52	BEAUMONT	23.6	50	68.08	26.0	32	42.85
33.5	36	34.42	35.3	32	29.08	BILLINGS	0.4	3	267.47	0.3	1	96.72
99.8	112	33.98	124.8	109	28.01	BINGHAMTON	0.7	0	0.00	0.6	1	49.85
166.5	149	28.71	209.6	193	23.46	BIRMINGHAM	87.0	160	58.98	106.8	102	31.23
1456.5	2288	50.31	2004.2	1866	29.86	BOSTON	35.9	106	94.77	40.2	72	57.63
284.6	328	37.06	353.3	279	25.33	BRIDGEPORT	11.2	32	91.27	12.2	19	49.83
127.2	189	47.64	163.9	116	22.70	BROCKTON	3.0	3	32.06	2.2	5	73.32
56.0	82	47.00	60.3	91	48.63	BROWNSVILLE	0.5	0	0.00	0.4	0	0.00
551.6	729	42.14	664.3	531	25.64	BUFFALO	29.1	47	51.72	29.0	42	46.49
159.1	152	31.44	181.4	106	18.38	CANTON	6.7	18	85.79	6.7	16	77.09
65.7	80	39.04	82.8	47	18.21	CEDAR RAPIDS	0.6	2	115.49	0.7	0	0.00
46.7	38	24.01	57.4	40	22.35	CHAMPAIGN	2.6	4	49.38	2.4	3	39.46
43.4	42	31.06	56.9	37	21.87	CHARLESTON SC	23.7	68	64.90	30.7	38	39.71
93.5	116	39.09	105.0	107	32.67	CHARLESTON WVA	7.1	23	106.24	7.3	9	39.66
69.9	75	34.42	93.2	61	20.98	CHARLOTTE	21.7	105	155.20	26.0	83	102.19
94.4	96	32.62	114.0	101	27.93	CHATTANOOGA	19.5	53	87.02	23.8	31	41.81
2349.3	3370	46.01	2826.9	2207	26.09	CHICAGO	320.8	1400	139.98	355.2	1089	98.35
433.7	616	30.76	585.9	379	20.75	CINCINNATI	93.3	96	57.78	57.0	71	39.96
686.5	603	29.17	829.6	457	17.67	CLEVELAND	90.3	163	57.89	100.1	83	26.61
56.1	73	41.72	73.6	67	29.19	COLORADO SPRGS	1.8	4	69.66	2.2	0	0.00
61.4	65	23.52	79.6	46	18.54	COLUMBIA	25.2	87	110.74	30.1	66	70.32
46.6	67	32.38	59.5	36	19.73	COLUMBUS GA	20.4	47	73.87	26.9	49	58.66
248.9	222	28.61	323.1	181	17.97	COLUMBUS OHIO	32.9	57	55.60	35.0	26	23.84
71.5	86	38.59	78.0	51	20.96	CORPUS CHRISTI	3.4	7	66.21	3.9	3	24.68
356.3	323	29.08	460.2	267	18.61	DALLAS	61.8	101	52.44	64.9	79	39.06
128.7	151	37.69	155.6	87	17.96	DAVENPORT	2.5	8	101.82	2.3	5	68.34
258.0	159	19.77	311.0	116	11.96	DAYTON	25.8	29	36.06	26.9	15	17.90
55.4	37	21.40	70.0	25	11.45	DECATUR	2.3	7	123.06	2.6	5	65.94
381.7	739	62.09	481.0	543	36.21	DENVER	15.0	48	102.87	16.4	17	33.34
117.3	157	42.94	154.1	108	22.48	DES MOINES	5.0	12	77.46	5.6	6	36.11
1310.9	1679	41.08	1460.1	882	19.37	DETROIT	187.3	412	70.56	199.5	324	52.09
39.2	58	40.92	53.9	58	34.53	DUBUQUE	0.0	1	668.90	0.0	2	- - -
153.8	160	33.34	154.3	116	24.11	DULUTH	1.0	1	31.27	0.9	0	0.00
27.4	23	26.93	37.5	19	16.25	DURHAM	12.1	19	50.47	15.0	15	32.07
99.0	169	52.83	114.0	147	41.37	EL PASO	3.3	5	48.84	2.9	1	11.07
115.1	136	37.90	135.6	105	24.83	ERIE	2.3	6	83.33	2.5	2	25.75
71.3	63	28.32	76.5	63	18.02	EUGENE	0.3	0	0.00	0.5	0	0.00
88.7	71	23.69	113.4	69	19.52	EVANSVILLE	7.0	15	68.33	7.4	8	34.55
194.0	291	61.50	241.6	170	20.84	FALL RIVER	2.7	3	35.66	2.4	6	80.56
48.3	53	35.21	52.3	44	26.07	FARGO	0.1	0	0.00	0.1	0	0.00
135.5	89	22.06	151.9	67	14.16	FLINT	11.3	18	50.99	11.7	12	32.81
150.2	97	20.72	156.7	45	9.21	FT. LAUDERDALE	16.8	63	170.48	17.4	40	73.55
31.3	20	20.51	38.8	11	9.09	FORT SMITH	2.5	1	12.74	2.9	4	44.31
96.0	68	22.72	120.8	63	16.73	FORT WAYNE	3.9	8	65.30	4.2	7	53.16
202.0	186	29.56	249.9	164	21.13	FORT WORTH	24.8	58	74.89	27.5	44	51.33
148.9	218	46.95	161.7	133	24.38	FRESNO	14.6	57	125.21	9.9	14	45.40
33.3	34	32.72	39.2	24	19.63	GADSDEN	5.5	11	64.53	6.4	11	55.41
62.0	96	62.78	67.1	31	21.12	GALVESTON	11.3	34	96.56	11.8	11	30.01
193.9	197	32.58	194.6	131	21.37	GARY	29.5	74	80.33	30.4	55	58.06
161.0	106	21.11	200.0	88	14.11	GRAND RAPIDS	5.5	6	35.08	5.8	6	33.31
32.8	44	45.24	32.3	20	19.86	GREAT FALLS	0.6	3	170.16	0.5	4	257.58
55.2	37	21.51	63.3	37	18.73	GREEN BAY	0.5	0	0.00	0.6	0	0.00
69.4	81	37.46	88.1	59	21.48	GREENSBORO	16.8	41	78.20	19.0	28	47.26
60.7	69	35.96	76.0	63	24.59	GREENVILLE	12.7	52	131.58	15.3	38	79.68
77.6	57	23.55	91.4	39	13.65	HAMILTON	4.1	4	31.14	4.0	4	31.84
148.6	133	28.70	194.6	114	18.81	HARRISBURG	8.8	24	87.94	9.9	8	25.97
295.9	275	29.30	362.9	262	21.39	HARTFORD	10.5	17	52.09	11.2	17	48.71
50.1	49	31.35	52.9	39	23.66	HONOLULU	118.4	132	35.77	100.6	71	22.63
345.0	304	28.24	409.1	250	19.60	HOUSTON	86.9	187	66.98	95.9	116	38.80
117.6	179	49.84	134.3	145	34.62	HUNTINGTON	4.6	9	63.43	4.4	6	43.46
31.7	18	18.22	35.8	14	12.55	HUNTSVILLE	8.6	12	45.01	10.0	12	38.62
298.3	303	37.62	335.0	196	18.77	INDIANAPOLIS	42.7	126	93.21	46.9	66	45.10
59.2	48	26.03	71.8	27	12.06	JACKSON MICH	2.8	4	45.13	2.0	0	0.00
40.2	31	24.75	53.7	28	16.72	JACKSON MISS	29.7	37	39.97	36.7	34	31.44
125.0	1.7	32.58	154.4	72	14.96	JACKSONVILLE	39.6	95	76.93	45.7	64	44.96
268.2	602	68.07	323.2	332	32.96	JERSEY CITY	13.4	51	121.66	15.1	26	50.84
161.7	137	31.01	151.5	92	19.48	JOHNSTOWN	1.5	2	42.25	1.4	2	45.11
71.3	57	25.64	87.7	46	14.09	KALAMAZOO	2.3	2	27.37	2.4	2	26.32
618.9	533	40.81	540.9	427	25.32	KANSAS CITY	55.9	167	95.82	60.8	110	58.04
46.4	40	27.64	50.1	28	17.93	KENOSHA	0.3	1	95.76	0.4	2	174.11
134.3	122	29.14	163.5	136	26.67	KNOXVILLE	11.7	23	63.28	14.1	14	31.93
38.4	35	29.26	49.0	35	24.12	LAKE CHARLES	11.5	14	39.15	11.6	13	35.83
134.3	110	26.28	176.2	76	13.83	LANCASTER	1.6	2	40.07	1.6	2	40.13
124.7	82	21.09	149.9	75	16.05	LANSING	2.8	3	34.97	2.6	2	24.34
24.6	52	67.90	29.4	53	57.87	LAREDO	0.1	0	0.00	0.1	0	0.00
60.7	51	40.22	38.1	26	21.87	LAS VEGAS	3.8	13	109.36	3.5	6	55.46
26.0	23	27.38	28.7	16	17.89	LAWTON	3.4	7	65.76	3.5	4	37.06
47.0	55	37.96	60.6	54	28.60	LEXINGTON	10.3	38	111.79	11.6	18	49.96
48.0	40	26.72	56.5	28	15.88	LIMA	2.7	4	47.66	2.6	3	38.78
72.3	58	25.72	93.8	51	17.07	LINCOLN	1.2	2	52.23	1.1	2	60.85
81.9	91	35.62	101.2	68	21.56	LITTLE ROCK	26.2	67	81.87	28.8	38	42.28
86.2	59	21.94	96.0	53	17.71	LORAIN	4.7	4	27.12	4.7	10	67.79
2663.7	2730	32.87	3959.2	2250	20.28	LOS ANGELES	203.7	320	50.38	219.7	204	30.33

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
INFLUENZA AND PNEUMONIA, EXCEPT PNEUMONIA OF NEWBORN (I.S.C. 480-483,490-493)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
269.2	269	32.05	354.9	232	20.97	LOUISVILLE	38.6	84	69.84	44.0	69	50.27
49.6	53	34.24	56.7	47	26.59	LUBBOCK	4.2	12	92.21	4.0	9	71.70
37.8	58	49.22	50.3	35	22.33	LYNCHBURG	10.3	31	96.28	11.8	16	43.54
41.9	34	26.03	54.9	28	16.36	MACON	19.3	53	88.04	26.4	47	57.11
94.8	58	19.62	116.1	58	16.03	MADISON	0.8	0	0.00	0.8	0	0.00
85.5	96	36.00	114.5	79	22.14	MANCHESTER	0.2	0	0.00	0.2	0	0.00
146.7	162	35.41	200.5	133	21.28	MEMPHIS	99.7	189	60.83	111.3	128	36.87
400.5	348	27.87	432.6	217	16.09	MIAMI	41.6	104	80.19	43.2	49	36.34
17.6	19	34.71	19.6	16	26.24	MIDLAND	1.8	3	54.22	1.9	8	135.35
507.3	690	44.19	610.5	625	32.83	MILWAUKEE	21.3	62	93.52	20.4	37	58.06
655.0	750	37.16	822.0	657	25.63	MINNEAPOLIS	11.2	15	42.93	11.1	19	54.92
76.5	60	25.17	93.2	44	15.15	MOBILE	35.4	79	71.54	43.1	61	45.39
28.2	30	34.11	32.6	14	13.78	MONROE	15.5	26	53.78	16.8	15	28.70
37.3	33	28.40	51.2	31	19.43	MONTGOMERY	25.0	43	55.17	34.0	42	39.57
47.0	33	22.50	56.6	29	16.44	MUNCIE	2.6	6	74.21	2.6	3	39.73
59.3	57	30.83	66.2	28	13.57	MUSKEGON	4.2	7	53.39	4.1	6	46.57
129.2	116	28.80	174.0	119	21.93	NASHVILLE	32.3	106	105.40	38.2	93	78.14
668.8	625	29.97	864.6	429	15.91	NEWARK	73.8	148	64.28	86.7	105	38.84
299.0	276	29.61	366.3	280	24.52	NEW HAVEN	12.8	22	55.12	12.9	20	49.74
230.9	274	38.06	314.3	206	21.02	NEW ORLEANS	98.8	210	68.20	121.5	157	41.46
56.1	79	46.85	59.2	37	20.05	NEWPORT NEWS	22.5	65	92.59	22.7	32	45.24
4356.1	6353	46.79	5307.4	5220	31.55	NEW YORK	406.5	1402	110.61	488.8	971	63.71
138.3	159	35.99	167.1	123	23.61	NORFOLK	55.0	158	92.22	60.9	96	50.57
23.8	16	21.59	24.4	15	19.71	ODESSA	1.3	2	47.94	1.4	3	69.98
44.1	61	44.35	48.2	40	26.61	OGDEN	1.3	3	72.30	0.8	0	0.00
195.4	138	22.66	242.2	121	16.03	OKLAHOMA CITY	19.5	26	42.79	20.1	14	22.38
195.7	275	45.07	236.9	204	27.62	OMAHA	11.7	15	41.01	13.1	21	51.23
127.0	103	26.02	166.3	62	13.59	ORLANDO	19.6	61	100.03	20.1	51	81.48
494.9	497	32.21	606.1	411	21.75	PATERSON	13.8	40	93.12	15.9	25	50.31
56.7	55	31.10	64.5	38	18.89	PENSACOLA	13.8	41	95.16	15.9	31	62.68
129.3	178	44.15	159.0	117	23.60	PEORIA	3.9	9	73.81	4.2	10	77.13
1649.3	1787	34.75	2102.0	1340	20.45	PHILADELPHIA	246.4	519	67.55	281.5	360	41.02
254.1	325	41.02	267.5	218	26.14	PHOENIX	15.3	47	98.78	13.1	33	80.53
1055.7	1110	33.72	1209.2	835	22.17	PITTSBURGH	69.6	123	56.64	69.5	98	45.20
71.2	86	37.86	95.4	70	23.53	PITTSFIELD	0.8	4	152.38	0.9	2	72.49
92.7	159	55.04	126.5	118	29.93	PORTLAND MAINE	0.4	0	0.00	0.4	0	0.00
418.0	531	40.74	499.5	421	27.03	PORTLAND OREG.	10.2	17	53.22	8.3	6	23.10
341.3	285	26.79	445.3	216	15.56	PROVIDENCE	6.3	12	60.89	6.6	7	33.92
39.5	25	20.30	43.7	21	15.40	PROVO	0.1	0	0.00	0.1	1	263.24
57.9	103	57.05	66.2	88	42.62	PUEBLO	1.6	3	59.69	1.5	0	0.00
64.2	49	24.46	74.2	37	19.99	RACINE	1.6	3	- - -	1.5	2	41.71
44.6	52	37.42	55.8	36	20.67	RALEIGH	15.6	52	107.10	18.7	41	70.32
138.1	116	26.93	164.8	85	16.55	READING	1.8	4	70.76	1.9	1	17.09
36.0	36	32.09	35.6	16	14.46	RENO	1.3	4	95.35	1.1	2	56.16
120.8	130	34.51	172.2	140	24.07	RICHMOND	40.6	96	75.83	46.7	53	36.43
60.3	66	34.05	78.3	48	19.66	ROANOKE	8.2	16	62.37	9.6	16	53.72
278.2	334	38.50	360.1	250	27.26	ROCHESTER	7.8	20	81.88	8.2	16	62.52
89.4	107	38.39	106.3	88	26.55	ROCKFORD	2.8	6	68.72	3.2	5	50.47
192.2	292	48.74	207.9	127	19.60	SACRAMENTO	15.0	35	74.66	11.2	7	20.04
77.1	42	17.47	89.8	36	12.86	SAGINAW	5.8	14	77.05	6.0	5	26.80
53.9	30	17.84	70.5	28	12.74	ST. JOSEPH	1.8	1	18.01	2.2	1	14.63
803.4	802	32.02	1047.8	638	19.53	ST. LOUIS	123.2	316	82.25	140.7	212	48.32
153.0	121	25.37	180.9	104	18.44	SALT LAKE CITY	2.7	3	35.33	1.7	0	0.00
27.9	36	41.41	33.1	31	30.03	SAN ANGELO	1.4	3	68.13	1.6	7	139.62
242.4	304	40.23	301.4	263	27.99	SAN ANTONIO	17.2	42	78.15	22.2	41	59.32
377.2	477	40.56	417.3	349	26.82	SAN BERNARDINO	14.6	27	59.24	14.2	15	33.97
389.8	405	33.33	469.3	324	22.14	SAN DIEGO	17.1	32	59.91	16.6	26	50.21
1105.0	1171	33.99	1393.7	834	19.19	SAN FRANCISCO	117.3	147	40.20	105.4	72	21.92
243.3	269	35.46	300.7	249	26.56	SAN JOSE	8.2	11	43.08	6.5	6	29.67
72.6	78	34.47	92.0	63	21.96	SANTA BARBARA	2.5	3	37.97	2.1	2	31.14
44.0	41	29.90	58.3	31	17.06	SAVANNAH	22.7	93	131.26	28.9	54	59.90
114.6	136	38.09	145.8	90	19.80	SCRANTON	0.4	1	84.09	0.5	0	0.00
509.1	701	44.16	389.9	504	27.40	SEATTLE	23.1	60	83.22	17.4	27	49.65
71.6	71	31.81	87.7	54	19.76	SHREVEPORT	43.3	86	63.65	50.9	73	45.96
58.3	65	35.78	66.2	62	30.04	SIOUX CITY	0.9	2	74.04	0.9	2	73.37
40.6	32	25.29	46.3	32	22.19	SIOUX FALLS	0.3	0	0.00	0.3	0	0.00
98.9	89	28.86	114.6	57	15.96	SOUTH BEND	5.2	7	43.16	5.2	9	55.86
148.5	153	33.05	164.6	111	21.63	SPOKANE	2.4	6	78.92	2.0	1	15.90
72.5	68	30.08	93.1	42	14.46	SPRINGFIELD I.	3.3	6	59.02	3.8	3	25.63
65.7	52	25.40	83.4	50	19.22	SPRINGFIELD MO	1.4	3	66.43	1.6	1	19.58
59.7	46	24.72	74.0	32	13.88	SPRINGFIELD O.	5.6	16	92.31	7.0	6	27.57
243.9	367	48.26	320.7	312	31.21	SPRINGFIELD MA	5.2	7	43.50	5.8	7	38.39
75.1	78	33.29	77.6	48	19.85	STEUBENVILLE	3.0	10	106.72	2.9	4	44.17
114.7	170	47.54	115.0	80	22.31	STOCKTON	13.5	17	40.28	7.4	2	8.65
263.6	248	30.18	324.0	214	21.18	SYRACUSE	4.9	12	78.84	5.0	8	51.05
149.2	141	30.31	166.3	130	25.07	TACOMA	4.9	12	77.78	4.4	8	58.15
488.2	302	19.84	528.2	187	11.35	TAMPA	34.2	82	76.98	36.5	45	39.50
56.7	75	42.45	70.0	51	23.37	TERRE HAUTE	2.6	7	85.76	2.9	4	44.63
34.8	28	25.84	40.6	17	13.44	TEXARKANA	11.9	16	43.01	13.0	8	19.77
198.2	144	23.30	244.9	108	14.14	TOLEDO	16.2	27	53.48	17.3	17	31.46
63.5	37	18.69	82.5	38	14.78	TOPEKA	5.3	6	36.03	5.3	1	6.03
104.8	127	38.87	130.4	77	18.94	TRENTON	11.4	20	56.44	11.7	13	35.58
98.7	94	30.53	110.1	66	19.22	TUCSON	6.8	12	56.67	6.5	13	64.46
163.9	162	31.70	197.5	114	18.51	TULSA	17.5	27	49.53	19.7	20	32.64
32.3	17	16.86	38.4	19	15.88	TUSCALOOSA	12.9	22	54.57	13.9	17	39.30
28.4	25	28.19	34.3	19	17.76	TYLER	10.5	20	61.09	11.4	8	22.42
172.5	144	26.77	211.4	108	16.38	UTICA	1.8	5	90.63	1.7	4	77.58
58.9	64	34.83	72.6	48	21.20	WACO	11.6	31	85.69	13.6	26	61.34
532.0	560	33.76	736.4	431	18.77	WASHINGTON	169.7	513	96.95	195.9	267	43.72
54.3	42	24.82	66.0	45	21.87	WATERLOO	1.8	2	35.27	1.8	6	105.35
108.1	55	16.32	119.2	58	15.60	W. PALM BEACH	19.2	52	86.91	16.7	42	80.65
103.9	122	37.67	122.8	93	24.29	WHEELING	2.8	2	22.51	2.7	4	48.35
125.5	137	35.02	155.4	110	22.71	WICHITA	8.2	15	58.88	8.4	18	69.01
50.1	62	39.69	57.4	37	20.68	WICHITA FALLS	3.4	6	56.88	3.4	5	47.06
161.8	161	31.92	207.0	113	17.51	WILKES-BARRE	0.5	2	130.19	0.5	1	61.23
134.1	137	32.76	164.0	112	21.91	WILMINGTON	18.3	58	101.70	18.1	36	63.84
50.4	30	19.10	63.5	32	16.17	WINSTON-SALEM	15.6	41	84.10	19.7	28	45.66
298.7	428	45.93	387.2	425	35.20	WORCESTER	1.8	4	69.75	1.9	6	99.47
112.5	97	27.64	133.5	68	16.33	YORK	2.0	7	112.74	2.2	2	29.57
216.1	166	24.36	235.6	115	15.66	YOUNGSTOWN	18.3	27	47.45	17.3	15	27.80
44464.9	50655	36.54	54730.9	38911	22.80	TOTAL 201 SMSA	4789.9	11747	78.66	5272.3	7982	48.56

ALL AGE STANDARD RATE = 32.07

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

ACUTE BRONCHITIS (I.S.C. 500)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
1.1	2	1.21	1.1	1	0.57	ABILENE	0.1	0	0.00	0.1	0	0.00
4.4	1	0.15	4.6	1	0.14	AKRON	0.4	0	0.00	0.4	0	0.00
0.5	0	0.00	0.5	0	0.00	ALBANY GA	0.3	1	2.44	0.3	0	0.00
6.1	7	0.74	6.8	2	0.19	ALBANY NY	0.2	0	0.00	0.2	0	0.00
2.4	6	1.60	2.4	0	0.00	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
4.5	5	0.72	4.9	3	0.40	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.4	0	0.00	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.3	4	2.03	1.3	0	0.00	AMARILLO	0.1	0	0.00	0.1	1	8.51
1.4	1	0.46	1.5	0	0.00	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	0	0.00	ASHEVILLE	0.1	0	0.00	0.1	1	4.50
6.8	7	0.66	7.5	3	0.26	ATLANTA	2.1	1	0.30	2.4	1	0.27
1.3	1	0.49	1.5	1	0.43	ATLANTIC CITY	0.3	0	0.00	0.3	3	6.33
1.3	0	0.00	1.3	0	0.00	AUGUSTA	0.6	1	1.05	0.7	0	0.00
1.6	0	0.00	1.8	2	0.73	AUSTIN	0.3	0	0.00	0.3	0	0.00
2.5	4	1.02	2.5	4	1.03	BAKERSFIELD	0.2	1	2.93	0.2	1	3.35
12.0	9	0.48	13.1	12	0.59	BALTIMORE	3.6	6	1.07	3.8	3	0.51
1.4	2	0.93	1.4	1	0.45	BATON ROUGE	0.7	3	2.75	0.7	1	0.86
1.1	1	0.60	1.1	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
2.2	1	0.29	2.2	0	0.00	BEAUMONT	0.6	0	0.00	0.6	1	1.03
0.8	4	3.40	0.8	8	6.81	BILLINGS	0.0	1	72.00	0.0	0	0.00
2.0	1	0.32	2.2	1	0.29	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
3.7	0	0.00	4.0	1	0.16	BIRMINGHAM	2.1	0	0.00	2.3	0	0.00
28.4	47	1.06	32.7	28	0.55	BOSTON	0.9	0	0.00	0.9	2	1.41
5.7	4	0.45	6.2	4	0.42	BRIDGEPORT	0.3	1	1.96	0.3	0	0.00
2.5	3	0.78	2.7	3	0.71	BROCKTON	0.1	0	0.00	0.0	0	0.00
1.5	1	0.42	1.5	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
[illegible]1.6	41	2.28	12.3	19	0.99	BUFFALO	0.9	10	7.27	0.9	5	3.68
3.1	2	0.41	3.3	2	0.39	CANTON	0.2	0	0.00	0.2	0	0.00
1.4	4	1.89	1.5	0	0.00	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
1.1	3	1.74	1.2	3	1.67	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.2	1	0.53	1.3	1	0.51	CHARLESTON SC	0.8	0	0.00	0.8	0	0.00
2.1	0	0.00	2.2	2	0.59	CHARLESTON WVA	0.1	0	0.00	0.1	0	0.00
1.8	2	0.73	1.9	2	0.67	CHARLOTTE	0.6	1	1.02	0.7	0	0.00
2.1	0	0.00	2.2	1	0.29	CHATTANOOGA	0.5	1	1.38	0.5	1	1.25
49.2	82	1.07	52.4	39	0.48	CHICAGO	9.1	13	0.92	9.5	8	0.54
9.1	13	0.92	10.3	6	0.38	CINCINNATI	1.3	7	3.50	1.3	3	1.44
14.2	12	0.54	15.2	10	0.42	CLEVELAND	2.5	3	0.78	2.6	7	1.73
1.3	2	1.01	1.4	2	0.93	COLORADO SPRGS	0.1	1	10.70	0.1	1	10.29
1.5	2	0.86	1.6	0	0.00	COLUMBIA	0.7	1	0.92	0.7	0	0.00
1.3	0	0.00	1.4	0	0.00	COLUMBUS GA	0.6	0	0.00	0.6	1	0.99
5.6	2	0.23	6.2	1	0.10	COLUMBUS OHIO	0.8	1	0.80	0.8	1	0.77
2.0	1	0.32	2.0	0	0.00	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
8.2	7	0.55	9.0	8	0.57	DALLAS	1.6	2	0.79	1.7	0	0.00
2.6	2	0.50	2.7	0	0.00	DAVENPORT	0.1	0	0.00	0.1	0	0.00
5.8	7	0.77	6.2	2	0.21	DAYTON	0.7	2	1.38	0.7	0	0.00
1.1	0	0.00	1.2	0	0.00	DECATUR	0.1	0	0.00	0.1	0	0.00
8.4	29	2.22	9.1	12	0.85	DENVER	0.4	1	1.65	0.4	2	3.24
2.4	1	0.26	2.7	1	0.24	DES MOINES	0.1	0	0.00	0.1	0	0.00
30.4	14	0.30	30.9	14	0.29	DETROIT	5.3	2	0.24	5.4	4	0.48
0.8	1	0.78	0.9	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
2.8	2	0.45	2.8	2	0.46	DULUTH	0.0	0	0.00	0.0	0	0.00
0.6	0	0.00	0.7	0	0.00	DURHAM	0.3	0	0.00	0.3	0	0.00
2.9	6	1.33	3.0	3	0.65	EL PASO	0.1	1	6.36	0.1	0	0.00
2.4	1	0.27	2.5	3	0.77	ERIE	0.1	1	8.94	0.1	0	0.00
1.5	2	0.86	1.5	1	0.42	EUGENE	0.0	0	0.00	0.0	0	0.00
1.8	1	0.36	2.0	3	0.99	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
3.7	6	1.06	4.2	5	0.77	FALL RIVER	0.1	0	0.00	0.1	0	0.00
1.1	0	0.00	1.1	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
3.3	14	2.71	3.4	6	1.14	FLINT	0.4	2	3.27	0.4	3	4.94
2.7	1	0.24	2.7	1	0.24	FT. LAUDERDALE	0.6	0	0.00	0.6	4	4.30
0.6	0	0.00	0.6	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
2.1	2	0.61	2.3	0	0.00	FORT WAYNE	0.1	1	4.95	0.1	0	0.00
4.6	2	0.28	4.9	2	0.26	FORT WORTH	0.6	0	0.00	0.7	0	0.00
3.2	2	0.40	3.2	3	0.59	FRESNO	0.3	1	2.10	0.3	1	2.54
0.7	0	0.00	0.8	0	0.00	GADSDEN	0.1	0	0.00	0.2	0	0.00
1.0	1	0.66	1.0	0	0.00	GALVESTON	0.3	0	0.00	0.3	0	0.00
4.7	5	0.69	4.5	3	0.43	GARY	0.9	0	0.00	0.9	2	1.42
3.5	1	0.19	3.7	1	0.17	GRAND RAPIDS	0.2	0	0.00	0.2	0	0.00
0.7	1	0.88	0.7	1	0.89	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.3	1	0.51	1.3	2	0.98	GREEN BAY	0.0	0	0.00	0.0	0	0.00
1.7	0	0.00	1.8	1	0.35	GREENSBORO	0.5	1	1.37	0.5	1	1.32
1.5	1	0.43	1.6	0	0.00	GREENVILLE	0.3	2	3.71	0.4	0	0.00
1.8	1	0.36	1.8	3	1.05	HAMILTON	0.1	0	0.00	0.1	0	0.00
2.9	6	1.31	3.3	2	0.39	HARRISBURG	0.2	2	5.71	0.2	0	0.00
6.2	9	0.94	6.6	6	0.58	HARTFORD	0.3	0	0.00	0.3	0	0.00
1.5	0	0.00	1.5	2	0.87	HONOLULU	3.0	1	0.21	2.8	2	0.46
8.8	4	0.29	9.2	0	0.00	HOUSTON	2.5	1	0.26	2.5	0	0.00
2.3	2	0.56	2.4	0	0.00	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
0.9	1	0.75	0.9	1	0.74	HUNTSVILLE	0.2	0	0.00	0.2	0	0.00
5.6	7	0.80	6.2	4	0.41	INDIANAPOLIS	1.0	5	3.13	1.1	4	2.39
1.2	6	3.15	1.3	0	0.00	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
1.0	1	0.67	1.1	1	0.60	JACKSON MISS	0.8	0	0.00	0.8	0	0.00
3.1	7	1.45	3.3	1	0.20	JACKSONVILLE	1.0	1	0.62	1.1	1	0.58
5.1	11	1.39	5.5	9	1.05	JERSEY CITY	0.4	0	0.00	0.4	1	1.49
2.7	1	0.24	2.7	1	0.24	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.5	1	0.42	1.7	0	0.00	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
8.8	3	0.22	9.6	6	0.40	KANSAS CITY	1.3	1	0.50	1.3	3	1.45
1.0	0	0.00	1.0	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
3.0	2	0.43	3.1	3	0.61	KNOXVILLE	0.3	1	2.44	0.3	0	0.00
1.1	0	0.00	1.1	0	0.00	LAKE CHARLES	0.3	0	0.00	0.3	0	0.00
2.6	0	0.00	3.0	1	0.22	LANCASTER	0.0	0	0.00	0.0	0	0.00
2.8	13	3.01	2.9	6	1.31	LANSING	0.1	0	0.00	0.1	0	0.00
0.6	1	1.00	0.7	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
1.0	2	1.26	1.0	0	0.00	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.7	2	1.81	0.7	2	1.87	LAWTON	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	0	0.00	LEXINGTON	0.2	0	0.00	0.2	0	0.00
1.0	0	0.00	1.0	0	0.00	LIMA	0.1	1	8.27	0.1	0	0.00
1.5	0	0.00	1.6	0	0.00	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.7	1	0.37	1.9	1	0.34	LITTLE ROCK	0.6	1	1.12	0.6	1	1.09
2.0	0	0.00	2.0	1	0.31	LORAIN	0.1	1	4.88	0.1	0	0.00
55.7	130	1.90	62.3	106	1.09	LOS ANGELES	5.6	20	2.31	5.7	13	1.48

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

ACUTE BRONCHITIS (I.S.C. 500)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
6.0	1	0.11	6.7	7	0.68	LOUISVILLE	0.9	0	0.00	0.9	1	0.70
1.3	0	0.00	1.4	0	0.00	LUBBOCK	0.1	0	0.00	0.1	0	0.00
0.8	0	0.00	0.9	0	0.00	LYNCHBURG	0.2	0	0.00	0.2	0	0.00
1.1	0	0.00	1.2	0	0.00	MACON	0.5	0	0.00	0.6	0	0.00
2.1	2	0.61	2.2	2	0.57	MADISON	0.0	0	0.00	0.0	0	0.00
1.7	9	3.49	1.9	4	1.34	MANCHESTER	0.0	0	0.00	0.0	0	0.00
3.4	2	0.37	3.8	0	0.00	MEMPHIS	2.4	5	1.34	2.6	3	0.76
7.3	11	0.97	7.5	4	0.34	MIAMI	1.4	1	0.48	1.4	2	0.94
0.5	0	0.00	0.6	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
10.8	13	0.78	11.5	8	0.45	MILWAUKEE	0.7	3	2.66	0.7	0	0.00
14.4	4	0.18	15.6	4	0.16	MINNEAPOLIS	0.3	0	0.00	0.3	0	0.00
1.9	0	0.00	2.0	0	0.00	MOBILE	1.0	2	1.27	1.1	0	0.00
0.6	2	2.03	0.7	1	0.97	MONROE	0.4	2	3.55	0.4	3	5.24
0.9	1	0.70	1.0	0	0.00	MONTGOMERY	0.6	0	0.00	0.7	1	0.88
1.0	0	0.00	1.0	0	0.00	MUNCIE	0.1	0	0.00	0.1	1	11.57
1.4	2	0.95	1.4	1	0.47	MUSKEGON	0.1	0	0.00	0.1	1	4.81
2.8	1	0.23	[illegible]	1	0.20	NASHVILLE	0.7	0	0.00	0.8	1	0.80
13.1	13	0.64	14.6	9	0.40	NEWARK	2.1	5	1.56	2.2	3	0.88
5.9	7	0.77	6.4	2	0.20	NEW HAVEN	0.4	0	0.00	0.4	0	0.00
5.3	8	0.97	5.9	4	0.43	NEW ORLEANS	2.7	11	2.62	2.9	1	0.22
1.4	0	0.00	1.4	0	0.00	NEWPORT NEWS	0.6	1	1.08	0.6	0	0.00
83.5	84	0.65	91.1	68	0.48	NEW YORK	10.9	19	1.13	11.8	21	1.14
3.7	4	0.70	3.8	1	0.17	NORFOLK	1.5	1	0.44	1.5	3	1.25
0.8	0	0.00	0.8	0	0.00	ODESSA	0.0	0	0.00	0.0	0	0.00
1.1	3	1.80	1.1	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
4.2	0	0.00	4.3	0	0.00	OKLAHOMA CITY	0.5	0	0.00	0.5	0	0.00
4.2	2	0.30	4.5	1	0.14	OMAHA	0.3	1	2.14	0.3	0	0.00
2.6	6	1.51	2.7	1	0.24	ORLANDO	0.5	1	1.22	0.5	1	1.21
10.2	9	0.57	11.0	4	0.23	PATERSON	0.4	0	0.00	0.4	1	1.53
1.5	1	0.43	1.5	2	0.86	PENSACOLA	0.4	0	0.00	0.4	0	0.00
2.7	5	1.20	2.9	4	0.90	PEORIA	0.1	0	0.00	0.1	1	5.68
33.6	25	0.48	36.9	21	0.37	PHILADELPHIA	6.3	8	0.81	6.7	1	0.10
5.9	10	1.10	5.9	2	0.22	PHOENIX	0.4	0	0.00	0.4	1	1.68
21.0	23	0.71	22.0	13	0.38	PITTSBURGH	1.6	1	0.41	1.6	0	0.00
1.4	0	0.00	1.6	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
1.7	0	0.00	2.0	2	0.64	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
7.7	23	1.93	8.2	7	0.55	PORTLAND OREG.	0.2	0	0.00	0.2	1	2.73
6.5	9	0.88	7.4	4	0.35	PROVIDENCE	0.2	0	0.00	0.2	1	3.92
1.0	0	0.00	1.0	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
1.2	1	0.55	1.2	0	0.00	PUEBLO	0.0	0	0.00	0.0	0	0.00
1.4	2	0.95	1.4	1	0.45	RACINE	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.1	0	0.00	RALEIGH	0.4	0	0.00	0.4	0	0.00
2.5	4	1.03	2.7	0	0.00	READING	0.0	0	0.00	0.0	0	0.00
0.7	2	1.72	0.7	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
2.6	3	0.75	3.0	1	0.22	RICHMOND	1.0	0	0.00	1.1	2	1.22
1.2	1	0.52	1.4	0	0.00	ROANOKE	0.2	0	0.00	0.2	0	0.00
5.4	8	0.95	6.0	4	0.43	ROCHESTER	0.3	0	0.00	0.3	1	2.36
2.0	2	0.66	2.1	3	0.63	ROCKFORD	0.1	0	0.00	0.1	0	0.00
4.4	0	0.00	4.4	0	0.00	SACRAMENTO	0.4	0	0.00	0.3	0	0.00
1.7	0	0.00	1.8	1	0.36	SAGINAW	0.2	0	0.00	0.2	0	0.00
0.9	0	0.00	1.0	0	0.00	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
16.8	9	0.34	18.6	9	0.31	ST. LOUIS	3.1	8	1.68	3.3	4	0.79
3.8	4	0.68	3.9	1	0.16	SALT LAKE CITY	0.1	0	0.00	0.0	0	0.00
0.6	3	3.36	0.6	0	0.00	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
6.0	0	0.00	6.6	3	0.30	SAN ANTONIO	0.4	0	0.00	0.5	G	0.00
7.6	9	0.76	7.8	3	0.25	SAN BERNARDINO	0.4	0	0.00	0.4	0	0.00
8.8	8	0.59	9.1	7	0.49	SAN DIEGO	0.6	1	1.16	0.5	0	0.00
21.9	56	1.59	23.9	30	0.81	SAN FRANCISCO	3.2	6	1.19	3.1	9	1.88
5.8	3	0.33	6.2	3	0.31	SAN JOSE	0.2	0	0.00	0.2	0	0.00
1.5	0	0.00	1.6	0	0.00	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
1.1	2	1.15	1.2	1	0.53	SAVANNAH	0.6	1	1.10	0.7	1	0.97
2.1	2	0.61	2.4	3	0.81	SCRANTON	0.0	0	0.00	0.0	0	0.00
10.2	5	0.32	10.7	5	0.30	SEATTLE	0.5	0	0.00	0.5	0	0.00
1.7	1	0.38	1.8	0	0.00	SHREVEPORT	1.0	1	0.64	1.1	0	0.00
1.1	1	0.59	1.1	1	0.56	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	0.9	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
2.1	4	1.25	2.1	1	0.30	SOUTH BEND	0.1	0	0.00	0.1	0	0.00
2.8	13	3.03	2.8	7	1.58	SPOKANE	0.1	0	0.00	0.1	1	11.82
1.4	4	1.88	1.5	1	0.42	SPRINGFIELD I.	0.1	0	0.00	0.1	0	0.00
1.2	1	0.54	1.3	1	0.49	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
1.1	1	0.56	1.2	0	0.00	SPRINGFIELD O.	0.1	0	0.00	0.1	0	0.00
4.8	4	0.53	5.4	0	0.00	SPRINGFIELD MA	0.2	0	0.00	0.2	0	0.00
1.5	5	2.12	1.5	2	0.85	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
2.2	2	0.60	2.1	2	0.61	STOCKTON	0.3	0	0.00	0.2	0	0.00
5.4	15	1.79	5.8	9	1.00	SYRACUSE	0.2	2	8.31	0.1	0	0.00
2.9	4	0.89	3.0	0	0.00	TACOMA	0.2	1	3.80	0.2	0	0.00
7.3	2	0.18	7.7	7	0.59	TAMPA	0.9	2	1.43	0.9	1	0.69
1.0	1	0.64	1.1	0	0.00	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
0.6	1	1.01	0.7	0	0.00	TEXARKANA	0.2	0	0.00	0.3	0	0.00
4.0	5	0.80	4.3	3	0.45	TOLEDO	0.4	0	0.00	0.4	0	0.00
1.3	0	0.00	1.4	0	0.00	TOPEKA	0.1	0	0.00	0.1	0	0.00
2.0	0	0.00	2.2	3	0.87	TRENTON	0.3	0	0.00	0.3	0	0.00
2.3	6	1.69	2.4	2	0.55	TUCSON	0.2	1	3.85	0.2	0	0.00
3.5	4	0.74	3.7	1	0.17	TULSA	0.4	0	0.00	0.4	0	0.00
0.7	0	0.00	0.7	0	0.00	TUSCALOOSA	0.3	0	0.00	0.3	0	0.00
0.6	1	1.16	0.6	0	0.00	TYLER	0.2	0	0.00	0.2	0	0.00
3.2	3	0.60	3.5	2	0.37	UTICA	0.1	0	0.00	0.1	0	0.00
1.2	1	0.55	1.3	0	0.00	WACO	0.2	0	0.00	0.3	0	0.00
12.8	13	0.65	14.4	15	0.67	WASHINGTON	4.6	8	1.12	4.8	11	1.47
1.2	2	1.11	1.2	1	0.52	WATERLOO	0.1	0	0.00	0.1	0	0.00
1.8	0	0.00	1.9	2	0.69	W. PALM BEACH	0.5	0	0.00	0.5	0	0.00
1.8	1	0.36	1.9	0	0.00	WHEELING	0.0	0	0.00	0.0	0	0.00
3.0	2	0.42	3.2	3	0.60	WICHITA	0.2	0	0.00	0.2	0	0.00
1.1	1	0.57	1.2	0	0.00	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
3.0	4	0.86	3.4	2	0.38	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
3.0	2	0.43	3.2	0	0.00	WILMINGTON	0.5	2	2.80	0.5	0	0.00
1.2	0	0.00	1.3	0	0.00	WINSTON-SALEM	0.4	0	0.00	0.5	1	1.40
5.6	5	0.57	6.2	5	0.51	WORCESTER	0.0	0	0.00	0.0	0	0.00
2.2	1	0.29	2.4	1	0.27	YORK	0.1	0	0.00	0.1	1	11.04
4.4	1	0.14	4.5	2	0.29	YOUNGSTOWN	0.5	1	1.37	0.5	1	1.37
930.3	1112	0.77	1002.0	717	0.46	TOTAL 201 SMSA	126.9	199	1.01	131.8	164	0.80

ALL AGE STANDARD RATE = 0.64

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
BRONCHITIS, CHRONIC AND UNQUALIFIED (I.S.C. 501-502)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
2.3	6	4.22	2.8	1	0.59	ABILENE	0.1	1	15.91	0.1	0	0.00
10.7	13	1.98	12.1	3	0.40	AKRON	0.7	0	0.00	0.7	2	4.69
0.7	0	0.00	0.8	0	0.00	ALBANY GA	0.4	0	0.00	0.6	0	0.00
16.7	46	4.49	20.9	11	0.86	ALBANY NY	0.3	1	5.40	0.3	0	0.00
4.0	16	6.49	4.4	2	0.74	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
12.3	7	0.93	14.5	8	0.90	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
3.8	5	2.14	4.6	2	0.71	ALTOONA	0.0	0	0.00	0.0	0	0.00
2.4	10	6.81	2.8	3	1.77	AMARILLO	0.1	0	0.00	0.1	0	0.00
2.9	5	2.77	3.7	1	0.44	ANN ARBOR	0.2	0	0.00	0.2	0	0.00
2.8	6	3.47	3.4	1	0.48	ASHEVILLE	0.3	0	0.00	0.4	1	4.13
14.0	43	5.01	18.5	10	0.88	ATLANTA	3.8	2	0.86	4.9	1	0.33
4.2	3	1.16	5.2	0	0.00	ATLANTIC CITY	0.7	3	6.56	0.8	1	1.94
2.4	1	0.67	3.0	2	1.08	AUGUSTA	1.4	1	1.42	1.5	0	0.00
3.6	7	3.18	4.4	2	0.74	AUSTIN	0.6	1	2.84	0.7	0	0.00
5.4	5	1.51	5.4	5	1.50	BAKERSFIELD	0.5	0	0.00	0.3	0	0.00
28.5	65	3.72	36.0	20	0.91	BALTIMORE	6.4	11	2.80	6.9	8	1.90
2.4	1	0.69	2.9	1	0.57	BATON ROUGE	1.3	2	2.52	1.5	0	0.00
2.3	3	2.12	2.6	2	1.24	BAY CITY	0.0	0	0.00	0.0	0	0.00
4.5	8	2.92	5.0	4	1.31	BEAUMONT	1.2	0	0.00	1.2	0	0.00
1.6	4	3.97	1.7	1	0.95	BILLINGS	0.0	0	0.00	0.0	0	0.00
5.2	5	1.59	6.2	0	0.00	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
8.5	29	5.57	10.6	6	0.92	BIRMINGHAM	4.4	13	4.80	5.2	2	0.63
75.4	149	3.22	100.3	43	0.70	BOSTON	1.7	2	1.89	1.9	3	2.57
14.8	14	1.54	17.9	3	0.27	BRIDGEPORT	0.5	0	0.00	0.6	0	0.00
6.4	10	2.57	7.9	3	0.62	BROCKTON	0.1	0	0.00	0.1	0	0.00
2.6	5	3.14	2.8	3	1.75	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
28.9	59	3.33	33.9	21	1.01	BUFFALO	1.4	6	7.08	1.3	4	4.91
7.9	5	1.03	9.0	1	0.18	CANTON	0.3	0	0.00	0.3	1	5.10
3.2	5	2.51	4.0	2	0.82	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
2.2	6	4.50	2.7	3	1.80	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
2.1	4	3.16	2.6	1	0.63	CHARLESTON SC	1.1	1	1.49	1.4	1	1.13
4.7	11	3.82	5.2	6	1.87	CHARLESTON WVA	0.4	1	4.36	0.4	1	4.17
3.5	4	1.89	4.5	2	0.72	CHARLOTTE	1.0	0	0.00	1.2	0	0.00
4.8	7	2.39	5.9	1	0.28	CHATTANOOGA	1.0	0	0.00	1.2	3	4.04
125.7	161	2.09	146.8	59	0.66	CHICAGO	15.4	20	2.11	16.8	8	0.78
22.2	30	2.20	29.1	17	0.95	CINCINNATI	2.6	3	1.85	2.8	2	1.16
36.4	71	3.19	42.9	14	0.53	CLEVELAND	4.4	10	3.69	4.8	5	1.71
2.7	6	3.67	3.4	1	0.47	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
3.0	4	2.15	3.9	2	0.86	COLUMBIA	1.2	2	2.72	1.4	1	1.13
2.2	1	0.75	2.8	2	1.17	COLUMBUS GA	1.0	0	0.00	1.3	0	0.00
12.3	39	5.19	15.7	8	0.83	COLUMBUS OHIO	1.6	2	2.02	1.7	1	0.96
3.4	5	2.39	3.7	2	0.89	CORPUS CHRISTI	0.2	0	0.00	0.2	0	0.00
17.9	54	4.93	22.7	20	1.44	DALLAS	2.9	10	5.60	3.1	4	2.13
6.6	6	1.48	7.7	6	1.27	DAVENPORT	0.1	0	0.00	0.1	0	0.00
12.8	25	3.19	15.2	7	0.75	DAYTON	1.2	6	7.87	1.3	3	3.85
2.8	2	1.19	3.4	1	0.48	DECATUR	0.1	0	0.00	0.1	0	0.00
18.6	35	3.04	23.2	17	1.20	DENVER	0.7	0	0.00	0.8	1	2.16
5.9	8	2.20	7.6	5	1.08	DES MOINES	0.2	1	6.67	0.3	0	0.00
69.8	72	1.68	74.6	27	0.59	DETROIT	9.3	5	0.88	9.6	5	0.85
1.9	4	3.44	2.5	1	0.64	DUBUQUE	0.0	0	0.00	0.0	0	0.00
8.0	14	2.86	7.9	5	1.03	DULUTH	0.0	0	0.00	0.0	0	0.00
1.4	2	2.39	1.9	0	0.00	DURHAM	0.6	0	0.00	0.7	0	0.00
4.5	10	3.61	5.3	4	1.24	EL PASO	0.1	0	0.00	0.1	1	13.37
5.8	19	2.40	6.8	4	0.97	ERIE	0.1	0	0.00	0.1	0	0.00
3.6	3	1.37	3.8	1	0.43	EUGENE	0.0	0	0.00	0.0	0	0.00
4.5	2	0.72	5.7	3	0.86	EVANSVILLE	0.4	0	0.00	0.4	0	0.00
10.1	32	5.14	13.3	6	0.73	FALL RIVER	0.1	0	0.00	0.1	0	0.00
2.6	6	4.02	2.6	2	1.27	FARGO	0.0	0	0.00	0.0	0	0.00
6.8	7	1.69	7.4	1	0.22	FLINT	0.5	0	0.00	0.5	0	0.00
8.8	10	1.86	9.0	3	0.55	FT. LAUDERDALE	0.7	0	0.00	0.7	1	2.18
1.6	1	1.04	1.9	1	0.84	FORT SMITH	0.1	0	0.00	0.1	0	0.00
4.8	1	0.34	6.0	5	1.37	FORT WAYNE	0.2	0	0.00	0.2	0	0.00
10.1	11	1.78	12.2	7	0.93	FORT WORTH	1.2	0	0.00	1.3	0	0.00
7.5	15	3.27	8.0	1	0.21	FRESNO	0.7	2	4.60	0.5	0	0.00
1.7	1	0.96	2.0	1	0.83	GADSDEN	0.3	2	12.21	0.3	1	5.26
2.2	6	4.50	2.3	0	0.00	GALVESTON	0.6	0	0.00	0.6	0	0.00
9.9	17	2.79	9.8	3	0.50	GARY	1.4	5	5.76	1.4	0	0.00
8.1	18	3.61	9.8	9	1.50	GRAND RAPIDS	0.3	0	0.00	0.3	0	0.00
1.6	6	6.12	1.6	1	1.03	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
2.7	5	3.00	3.1	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
3.5	4	1.87	4.4	4	1.49	GREENSBORO	0.8	1	2.00	0.9	1	1.79
3.0	2	1.09	3.8	0	0.00	GREENVILLE	0.6	0	0.00	0.7	0	0.00
3.8	8	3.45	4.4	3	1.11	HAMILTON	0.2	1	8.38	0.2	1	8.32
7.6	8	1.71	9.7	5	0.84	HARRISBURG	0.4	2	7.58	0.5	0	0.00
15.4	27	2.86	18.3	8	0.71	HARTFORD	0.5	1	3.48	0.5	0	0.00
2.2	0	0.00	2.4	0	0.00	HONOLULU	5.6	2	0.58	4.6	0	0.00
17.1	22	2.10	20.0	6	0.49	HOUSTON	4.1	6	2.38	4.4	1	0.37
5.9	8	2.21	6.7	0	0.00	HUNTINGTON	0.2	0	0.00	0.2	0	0.00
1.5	3	3.30	1.7	1	0.97	HUNTSVILLE	0.4	0	0.00	0.5	3	10.38
13.0	20	2.50	16.7	4	0.39	INDIANAPOLIS	2.1	3	2.33	2.3	0	0.00
3.0	4	2.20	3.5	3	1.41	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
2.0	2	1.66	2.6	0	0.00	JACKSON MISS	1.4	0	0.00	1.6	0	0.00
6.2	9	2.37	7.5	5	1.08	JACKSONVILLE	1.9	2	1.69	2.2	1	0.73
14.9	24	2.62	17.5	10	0.93	JERSEY CITY	0.6	1	2.59	0.7	0	0.00
7.3	5	1.12	7.7	2	0.43	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
3.5	3	1.38	4.3	3	1.16	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
21.1	31	2.40	26.6	12	0.74	KANSAS CITY	2.8	1	0.58	3.0	1	0.55
2.4	5	3.36	2.6	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
6.8	13	3.13	8.2	0	0.00	KNOXVILLE	0.6	0	0.00	0.7	0	0.00
1.8	4	3.66	2.0	2	1.65	LAKE CHARLES	0.5	1	3.12	0.5	0	0.00
6.6	4	0.98	9.6	3	0.58	LANCASTER	0.1	1	20.81	0.1	0	0.00
6.1	12	3.19	7.2	7	1.58	LANSING	0.1	0	0.00	0.1	0	0.00
1.2	1	1.37	1.4	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
2.1	2	1.53	1.9	0	0.00	LAS VEGAS	0.2	1	9.60	0.2	0	0.00
1.2	1	1.35	1.3	1	1.23	LAWTON	0.1	0	0.00	0.1	0	0.00
2.3	5	3.49	2.9	0	0.00	LEXINGTON	0.5	1	3.10	0.6	1	2.80
2.4	7	4.79	2.8	2	1.17	LIMA	0.1	0	0.00	0.1	0	0.00
3.5	11	5.06	4.6	2	0.71	LINCOLN	0.1	1	30.49	0.0	0	0.00
4.2	5	1.96	5.0	1	0.33	LITTLE ROCK	1.3	1	1.27	1.4	1	1.15
4.2	4	1.54	4.6	0	0.00	LORAIN	0.2	0	0.00	0.2	0	0.00
136.1	199	2.38	177.6	83	0.76	LOS ANGELES	9.6	13	2.20	10.3	6	0.95

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
BRONCHITIS, CHRONIC AND UNQUALIFIED (I.S.C. 501-502)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
13.4	18	2.19	17.3	10	0.94	LOUISVILLE	1.9	3	2.52	2.2	0	0.00
2.3	5	3.47	2.7	1	0.60	LUBBOCK	0.2	1	8.75	0.2	1	9.65
1.9	2	1.73	2.5	0	0.00	LYNCHBURG	0.5	0	0.00	0.6	0	0.00
2.1	6	4.76	2.7	1	0.61	MACON	0.9	1	1.75	1.3	1	1.27
4.7	4	1.40	5.6	2	0.58	MADISON	0.0	0	0.00	0.0	0	0.00
4.4	8	2.94	5.8	6	1.13	MANCHESTER	0.0	0	0.00	0.0	0	0.00
7.3	11	2.45	9.8	3	0.50	MEMPHIS	4.8	5	1.69	5.3	1	0.30
22.0	24	1.78	23.7	9	0.62	MIAMI	1.9	2	1.73	2.0	1	0.83
0.8	1	2.08	0.9	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
26.6	31	1.90	31.1	10	0.52	MILWAUKEE	0.9	0	0.00	0.9	0	0.00
33.1	42	2.07	40.7	14	0.56	MINNEAPOLIS	0.5	1	3.04	0.5	0	0.00
3.8	5	2.17	4.5	0	0.00	MOBILE	1.7	0	0.00	2.0	0	0.00
1.4	1	1.16	1.6	0	0.00	MONROE	0.7	0	0.00	0.8	0	0.00
1.8	9	8.05	2.5	3	1.98	MONTGOMERY	1.2	3	4.06	1.6	1	0.99
2.3	0	0.00	2.7	0	0.00	MUNCIE	0.1	0	0.00	0.1	0	0.00
3.0	5	2.74	3.3	1	0.50	MUSKEGON	0.2	0	0.00	0.2	0	0.00
6.4	11	2.80	9.5	4	0.76	NASHVILLE	1.6	5	5.10	1.9	5	4.27
36.0	50	2.27	44.6	16	0.58	NEWARK	3.6	3	1.37	4.2	3	1.17
15.5	34	3.57	18.5	9	0.79	NEW HAVEN	0.6	2	5.81	0.6	1	2.81
12.0	34	4.62	15.9	9	0.92	NEW ORLEANS	4.8	23	7.76	5.9	2	0.55
2.6	7	4.42	2.8	4	2.36	NEWPORT NEWS	1.1	1	1.47	1.1	2	3.02
240.4	475	3.22	285.4	135	0.77	NEW YORK	20.4	29	2.32	24.3	9	0.60
6.6	14	3.43	8.0	4	0.81	NORFOLK	2.6	7	4.33	2.9	1	0.56
1.1	1	1.50	1.1	1	1.50	ODESSA	0.1	1	27.54	0.1	0	0.00
2.2	5	3.78	2.3	3	2.09	OGDEN	0.1	0	0.00	0.0	0	0.00
9.8	16	2.66	12.0	1	0.14	OKLAHOMA CITY	0.9	1	1.82	1.0	0	0.00
9.9	25	4.12	11.7	4	0.56	OMAHA	0.6	2	5.80	0.6	0	0.00
6.4	8	2.03	7.3	5	1.11	ORLANDO	0.9	1	1.75	0.9	1	1.73
26.2	42	2.62	31.3	10	0.52	PATERSON	0.6	0	0.00	0.8	1	2.14
2.7	10	6.02	3.0	3	1.61	PENSACOLA	0.6	1	2.63	0.7	0	0.00
6.5	9	2.24	7.8	2	0.42	PEORIA	0.2	1	9.26	0.2	2	17.15
86.6	92	1.73	107.4	37	0.56	PHILADELPHIA	12.3	14	1.85	13.8	7	0.83
12.9	51	6.43	13.5	14	1.69	PHOENIX	0.7	2	4.46	0.6	1	2.72
55.2	55	1.62	61.6	15	0.40	PITTSBURGH	3.7	4	1.76	3.5	1	0.46
3.6	11	4.94	4.7	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
4.7	6	2.10	6.1	3	0.80	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
21.8	47	3.52	25.3	11	0.71	PORTLAND OREG.	0.5	0	0.00	0.4	2	8.30
17.9	56	5.10	22.8	9	0.64	PROVIDENCE	0.3	0	0.00	0.3	3	16.12
1.9	3	2.62	2.1	1	0.79	PROVO	0.0	0	0.00	0.0	0	0.00
2.9	7	4.00	3.1	1	0.52	PUEBLO	0.1	0	0.00	0.1	0	0.00
3.3	4	1.99	3.7	0	0.00	RACINE	0.1	0	0.00	0.1	0	0.00
2.2	7	5.12	2.8	2	1.17	RALEIGH	0.8	1	2.17	0.9	0	0.00
7.3	4	0.89	8.6	4	0.76	READING	0.1	0	0.00	0.1	0	0.00
1.9	0	0.00	1.8	2	1.82	RENO	0.1	0	0.00	0.1	0	0.00
6.2	9	2.38	8.7	6	1.13	RICHMOND	2.0	8	6.47	2.4	0	0.00
3.1	7	3.65	3.9	4	1.66	ROANOKE	0.4	1	3.76	0.5	0	0.00
14.5	24	2.70	18.1	11	0.99	ROCHESTER	0.3	1	4.81	0.4	1	4.58
4.6	14	5.01	5.2	3	0.93	ROCKFORD	0.1	0	0.00	0.1	0	0.00
9.6	6	1.02	10.1	5	0.81	SACRAMENTO	0.7	0	0.00	0.5	0	0.00
3.8	6	2.54	4.4	1	0.37	SAGINAW	0.3	2	12.34	0.3	0	0.00
2.8	8	4.73	3.5	1	0.46	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
41.4	73	2.87	52.7	18	0.56	ST. LOUIS	6.1	9	2.41	6.8	3	0.72
7.4	18	3.96	8.6	6	1.13	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.4	6	6.93	1.6	1	0.99	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
11.8	13	1.79	14.6	5	0.56	SAN ANTONIO	0.9	2	3.79	1.1	3	4.59
19.1	30	2.56	20.9	15	1.17	SAN BERNARDINO	0.7	0	0.00	0.6	0	0.00
19.1	36	3.07	22.9	10	0.71	SAN DIEGO	0.8	1	2.17	0.7	0	0.00
58.1	98	2.75	70.7	31	0.72	SAN FRANCISCO	5.8	7	1.97	4.9	5	1.67
11.7	13	1.81	14.2	4	0.46	SAN JOSE	0.4	0	0.00	0.3	1	5.39
3.6	7	3.13	4.6	2	0.72	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
2.2	3	2.27	2.9	2	1.14	SAVANNAH	1.1	0	0.00	1.4	1	1.13
6.2	14	3.66	7.8	1	0.21	SCRANTON	0.0	0	0.00	0.0	0	0.00
25.8	27	1.71	29.4	14	0.78	SEATTLE	1.1	2	2.87	0.8	0	0.00
3.5	7	3.22	4.3	6	2.27	SHREVEPORT	2.1	0	0.00	2.5	0	0.00
3.0	5	2.76	3.3	2	0.98	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
2.0	1	0.81	2.3	1	0.71	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
5.1	10	3.21	5.8	2	0.56	SOUTH BEND	0.3	0	0.00	0.2	0	0.00
7.4	8	1.77	8.1	2	0.40	SPOKANE	0.1	1	14.08	0.1	0	0.00
3.7	6	2.64	4.7	3	1.04	SPRINGFIELD I.	0.2	0	0.00	0.2	1	9.02
3.3	2	0.99	4.1	2	0.79	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
2.9	6	3.34	3.6	3	1.37	SPRINGFIELD O.	0.3	2	11.62	0.3	1	4.82
12.6	15	1.93	16.2	14	1.41	SPRINGFIELD MA	0.2	0	0.00	0.3	0	0.00
3.9	7	2.93	3.9	2	0.84	STEUBENVILLE	0.2	0	0.00	0.2	0	0.00
6.0	8	2.19	5.8	2	0.56	STOCKTON	0.7	3	6.61	0.4	1	4.57
13.4	19	2.31	15.9	6	0.62	SYRACUSE	0.2	0	0.00	0.2	0	0.00
7.5	11	2.39	8.3	2	0.39	TACOMA	0.2	0	0.00	0.2	0	0.00
26.7	36	2.20	28.9	9	0.51	TAMPA	1.6	1	0.99	1.8	1	0.93
2.9	3	1.68	3.5	1	0.46	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
1.8	4	3.59	2.1	1	0.79	TEXARKANA	0.6	0	0.00	0.6	0	0.00
10.4	22	3.45	12.4	7	0.92	TOLEDO	0.8	0	0.00	0.8	1	1.97
3.1	1	0.53	4.0	2	0.82	TOPEKA	0.3	0	0.00	0.3	0	0.00
5.6	6	1.74	6.8	2	0.48	TRENTON	0.5	2	6.07	0.5	0	0.00
5.1	71	22.56	5.7	15	4.32	TUCSON	0.3	1	4.95	0.3	0	0.00
8.3	7	1.39	9.9	3	0.50	TULSA	0.9	3	5.65	1.0	1	1.71
1.7	3	2.94	1.9	0	0.00	TUSCALOOSA	0.6	0	0.00	0.7	0	0.00
1.5	1	1.10	1.8	1	0.93	TYLER	0.5	0	0.00	0.6	1	2.89
8.8	11	2.05	10.4	2	0.31	UTICA	0.1	0	0.00	0.1	0	0.00
3.0	9	4.84	3.6	3	1.35	WACO	0.6	0	0.00	0.7	1	2.47
26.6	38	2.33	36.1	18	0.81	WASHINGTON	8.1	15	3.02	9.3	2	0.35
2.7	5	3.06	3.2	0	0.00	WATERLOO	0.1	0	0.00	0.1	0	0.00
6.0	6	1.64	6.5	2	0.50	W. PALM BEACH	0.9	1	1.75	0.8	0	0.00
5.4	7	2.13	6.1	2	0.53	WHEELING	0.1	0	0.00	0.1	1	12.44
6.0	16	4.34	7.4	2	0.44	WICHITA	0.4	1	4.51	0.4	1	4.42
2.5	4	2.65	2.9	1	0.57	WICHITA FALLS	0.2	0	0.00	0.2	0	0.00
9.0	26	4.72	11.2	6	0.88	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
6.7	11	2.66	8.1	2	0.40	WILMINGTON	0.9	1	1.80	0.9	2	3.73
2.5	3	1.95	3.2	1	0.52	WINSTON-SALEM	0.8	2	4.07	1.0	2	3.28
15.4	25	2.65	19.3	7	0.59	WORCESTER	0.1	0	0.00	0.1	0	0.00
5.7	3	0.85	6.7	3	0.73	YORK	0.1	0	0.00	0.1	0	0.00
11.1	22	3.22	11.9	5	0.69	YOUNGSTOWN	0.9	2	3.55	0.8	0	0.00
2302.6	3833	2.71	2766.8	1236	0.73	TOTAL 201 SMSA	232.7	334	2.34	253.0	153	0.99

ALL AGE STANDARD RATE = 1.63

TABLE 1   1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
PNEUMOCONIOSIS DUE TO SILICA AND SILICATES (OCCUPATIONAL) (I.S.C. 523)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
1.1	0	0.00	1.3	0	0.00	ABILENE	0.0	0	0.00	0.0	0	0.00
5.4	13	1.92	6.0	0	0.00	AKRON	0.3	0	0.00	0.3	0	0.00
0.3	0	0.00	0.3	0	0.00	ALBANY GA	0.2	0	0.00	0.3	0	0.00
8.5	6	0.57	10.4	0	0.00	ALBANY NY	0.1	0	0.00	0.1	0	0.00
1.7	5	2.39	1.9	0	0.00	ALBUQUERQUE	0.0	0	0.00	0.1	0	0.00
6.2	23	2.95	7.3	0	0.00	ALLENTOWN	0.0	1	19.96	0.0	0	0.00
1.9	6	2.49	2.3	0	0.00	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.3	0	0.00	AMARILLO	0.0	0	0.00	0.1	0	0.00
1.4	0	0.00	1.7	0	0.00	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
1.4	0	0.00	1.7	0	0.00	ASHEVILLE	0.2	0	0.00	0.2	0	0.00
6.6	5	0.61	8.9	0	0.00	ATLANTA	1.7	2	0.96	2.2	0	0.00
2.2	0	0.00	2.7	0	0.00	ATLANTIC CITY	0.4	0	0.00	0.4	0	0.00
1.1	0	0.00	1.4	0	0.00	AUGUSTA	0.5	0	0.00	0.7	0	0.00
1.7	0	0.00	2.1	0	0.00	AUSTIN	0.3	0	0.00	0.3	0	0.00
2.6	5	1.57	2.5	1	0.32	BAKERSFIELD	0.2	0	0.00	0.1	0	0.00
14.2	9	0.51	17.7	1	0.05	BALTIMORE	2.9	2	0.56	3.0	0	0.00
1.0	0	0.00	1.3	0	0.00	BATON ROUGE	0.6	0	0.00	0.7	0	0.00
1.1	3	2.22	1.2	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
2.1	1	0.38	2.3	0	0.00	BEAUMONT	0.5	1	1.53	0.5	0	0.00
0.8	0	0.00	0.8	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
2.6	5	1.56	3.0	0	0.00	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
4.1	22	4.26	5.2	0	0.00	BIRMINGHAM	2.1	17	6.47	2.5	0	0.00
37.7	11	0.23	49.7	0	0.00	BOSTON	0.8	1	1.03	0.9	0	0.00
7.4	7	0.75	8.9	0	0.00	BRIDGEPORT	0.2	0	0.00	0.2	0	0.00
3.1	1	0.26	3.8	0	0.00	BROCKTON	0.1	0	0.00	0.0	0	0.00
1.1	0	0.00	1.2	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
14.5	26	1.43	16.8	0	0.00	BUFFALO	0.6	1	1.35	0.5	0	0.00
3.9	16	3.28	4.4	0	0.00	CANTON	0.2	2	10.49	0.1	0	0.00
1.5	1	0.52	1.9	0	0.00	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	1.2	0	0.00	CHAMPAIGN	0.0	0	0.00	0.0	0	0.00
0.9	1	0.89	1.2	1	0.69	CHARLESTON SC	0.4	0	0.00	0.6	0	0.00
2.2	4	1.43	2.5	0	0.00	CHARLESTON WVA	0.2	2	8.48	0.2	0	0.00
1.6	4	2.00	2.1	0	0.00	CHARLOTTE	0.4	1	1.84	0.5	0	0.00
2.3	0	0.00	2.9	0	0.00	CHATTANOOGA	0.5	2	3.30	0.6	0	0.00
64.3	23	0.29	74.2	0	0.00	CHICAGO	6.8	3	0.35	7.4	0	0.00
10.9	12	0.88	14.2	0	0.00	CINCINNATI	1.2	4	2.58	1.3	0	0.00
18.4	47	2.04	21.6	1	0.04	CLEVELAND	2.0	12	4.82	2.1	0	0.00
1.2	2	1.34	1.6	0	0.00	COLORADO SPNGS	0.0	0	0.00	0.0	0	0.00
1.4	2	1.16	1.8	0	0.00	COLUMBIA	0.5	0	0.00	0.6	0	0.00
0.9	3	2.58	1.3	0	0.00	COLUMBUS GA	0.4	0	0.00	0.6	0	0.00
5.8	12	1.67	7.4	0	0.00	COLUMBUS OHIO	0.7	1	1.08	0.8	0	0.00
1.5	0	0.00	1.6	0	0.00	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
8.5	1	0.09	10.9	0	0.00	DALLAS	1.3	0	0.00	1.3	0	0.00
3.3	5	1.23	3.7	0	0.00	DAVENPORT	0.1	0	0.00	0.0	0	0.00
6.0	12	1.60	7.2	0	0.00	DAYTON	0.6	2	2.89	0.6	0	0.00
1.3	2	1.21	1.7	0	0.00	DECATUR	0.0	0	0.00	0.0	0	0.00
8.8	26	2.18	10.9	1	0.07	DENVER	0.3	0	0.00	0.3	0	0.00
2.9	2	0.55	3.7	0	0.00	DES MOINES	0.1	0	0.00	0.1	0	0.00
35.1	41	0.94	34.5	1	0.02	DETROIT	4.2	11	2.08	4.2	1	0.19
0.9	2	1.83	1.2	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
4.0	2	0.40	4.0	0	0.00	DULUTH	0.0	0	0.00	0.0	0	0.00
0.7	0	0.00	0.9	0	0.00	DURHAM	0.3	0	0.00	0.3	0	0.00
1.8	1	0.44	2.2	0	0.00	EL PASO	0.0	0	0.00	0.0	0	0.00
2.8	11	3.10	3.3	0	0.00	ERIE	0.0	0	0.00	0.0	0	0.00
1.7	2	0.93	1.8	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
2.2	1	0.36	2.8	0	0.00	EVANSVILLE	0.2	0	0.00	0.2	0	0.00
5.1	3	0.47	6.7	0	0.00	FALL RIVER	0.1	0	0.00	0.1	0	0.00
1.2	0	0.00	1.2	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
3.2	3	0.76	3.6	0	0.00	FLINT	0.2	1	4.59	0.2	0	0.00
4.8	6	0.99	4.9	0	0.00	FT. LAUDERDALE	0.3	0	0.00	0.3	0	0.00
0.8	1	1.03	1.0	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
2.3	0	0.00	2.9	0	0.00	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
4.8	0	0.00	5.8	0	0.00	FORT WORTH	0.5	0	0.00	0.6	0	0.00
3.6	4	0.89	3.8	0	0.00	FRESNO	0.3	0	0.00	0.2	0	0.00
0.8	2	1.95	1.0	0	0.00	GADSDEN	0.1	0	0.00	0.1	0	0.00
1.1	0	0.00	1.1	0	0.00	GALVESTON	0.3	0	0.00	0.3	0	0.00
4.8	4	0.67	4.6	0	0.00	GARY	0.6	0	0.00	0.6	0	0.00
3.9	4	0.82	4.7	0	0.00	GRAND RAPIDS	0.1	0	0.00	0.1	0	0.00
0.7	1	1.08	0.7	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.3	0	0.00	1.5	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
1.7	1	0.48	2.1	0	0.00	GREENSBORO	0.4	0	0.00	0.4	0	0.00
1.4	0	0.00	1.8	0	0.00	GREENVILLE	0.3	0	0.00	0.3	0	0.00
1.7	3	2.29	2.0	0	0.00	HAMILTON	0.1	1	9.36	0.1	0	0.00
3.8	23	4.86	4.8	0	0.00	HARRISBURG	0.2	4	16.33	0.2	0	0.00
7.7	18	1.87	9.0	0	0.00	HARTFORD	0.2	0	0.00	0.2	0	0.00
0.9	0	0.00	1.0	0	0.00	HONOLULU	2.5	0	0.00	2.0	0	0.00
8.0	2	0.20	9.3	0	0.00	HOUSTON	1.8	3	1.36	1.9	0	0.00
2.9	7	1.56	3.3	0	0.00	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
0.6	1	1.26	0.7	0	0.00	HUNTSVILLE	0.2	0	0.00	0.2	0	0.00
6.3	3	0.38	8.1	0	0.00	INDIANAPOLIS	1.0	0	0.00	1.0	0	0.00
1.4	0	0.00	1.6	0	0.00	JACKSON MICH	0.1	0	0.00	0.0	0	0.00
0.9	0	0.00	1.2	0	0.00	JACKSON MISS	0.6	0	0.00	0.7	0	0.00
2.9	3	0.84	3.5	0	0.00	JACKSONVILLE	0.9	0	0.00	1.0	0	0.00
8.0	10	1.01	9.3	0	0.00	JERSEY CITY	0.3	0	0.00	0.3	0	0.00
3.6	89	18.74	3.8	1	0.21	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.7	0	0.00	2.0	0	0.00	KALAMAZOO	0.0	0	0.00	0.0	0	0.00
10.2	2	0.16	12.9	0	0.00	KANSAS CITY	1.3	3	1.82	1.4	0	0.00
1.2	1	0.66	1.3	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
3.3	7	1.72	4.0	0	0.00	KNOXVILLE	0.3	0	0.00	0.3	0	0.00
0.8	0	0.00	0.8	0	0.00	LAKE CHARLES	0.2	0	0.00	0.2	0	0.00
3.2	11	2.76	4.0	0	0.00	LANCASTER	0.0	1	22.20	0.0	0	0.00
2.9	3	0.83	3.4	0	0.00	LANSING	0.1	0	0.00	0.0	0	0.00
0.5	1	1.51	0.6	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
1.1	5	3.80	0.9	0	0.00	LAS VEGAS	0.1	0	0.00	0.0	0	0.00
0.5	0	0.00	0.6	0	0.00	LAWTON	0.0	0	0.00	0.1	0	0.00
1.1	0	0.00	1.4	0	0.00	LEXINGTON	0.3	0	0.00	0.1	0	0.00
1.1	1	0.70	1.3	0	0.00	LIMA	0.1	0	0.00	0.3	0	0.00
1.7	0	0.00	2.2	0	0.00	LINCOLN	0.0	0	0.00	0.0	0	0.00
2.0	0	0.00	2.6	0	0.00	LITTLE ROCK	0.6	0	0.00	0.7	0	0.00
2.0	9	2.03	2.1	0	0.00	LORAIN	0.1	1	8.71	0.1	0	0.00
65.8	46	0.53	87.0	1	0.01	LOS ANGELES	4.2	2	0.38	4.5	0	0.00

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100.000
PNEUMOCONIOSIS DUE TO SILICA AND SILICATES (OCCUPATIONAL) (I.S.C. 523)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
6.4	8	1.01	8.2	0	0.00	LOUISVILLE	0.9	0	0.00	1.0	0	0.00
1.0	0	0.00	1.2	0	0.00	LUBBOCK	0.1	0	0.00	0.1	0	0.00
0.9	2	1.76	1.2	0	0.00	LYNCHBURG	0.2	1	3.43	0.3	0	0.00
0.9	0	0.00	1.3	0	0.00	MACON	0.4	0	0.00	0.6	0	0.00
2.2	1	0.37	2.6	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
2.2	2	0.72	2.8	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
3.5	0	0.00	4.7	0	0.00	MEMPHIS	2.2	1	0.36	2.4	0	0.00
11.7	8	0.55	12.6	0	0.00	MIAMI	0.8	0	0.00	0.8	0	0.00
0.3	0	0.00	0.3	0	0.00	MIDLAND	0.0	0	0.00	0.0	0	0.00
13.4	13	0.78	15.4	0	0.00	MILWAUKEE	0.0	0	0.00	0.0	0	0.00
16.0	6	0.30	19.6	0	0.00	MINNEAPOLIS	0.3	0	0.00	0.3	0	0.00
1.7	0	0.00	2.1	0	0.00	MOBILE	0.2	0	0.00	0.2	0	0.00
0.7	0	0.00	0.8	0	0.00	MONROE	0.7	0	0.00	0.9	0	0.00
0.8	0	0.00	1.2	0	0.00	MONTGOMERY	0.3	0	0.00	0.4	0	0.00
1.1	3	2.18	1.3	0	0.00	MUNCIE	0.5	0	0.00	0.8	0	0.00
1.4	7	3.96	1.5	0	0.00	MUSKEGON	0.1	0	0.00	0.1	0	0.00
3.0	3	0.79	4.1	0	0.00	NASHVILLE	0.1	1	10.29	0.1	0	0.00
18.6	23	0.99	22.6	0	0.00	NEWARK	0.8	1	1.06	0.9	0	0.00
7.8	17	1.75	9.2	0	0.00	NEW HAVEN	1.6	1	0.50	1.9	0	0.00
5.9	0	0.00	7.9	0	0.00	NEW ORLEANS	0.2	0	0.00	0.2	0	0.00
1.1	0	0.00	1.2	0	0.00	NEWPORT NEWS	2.2	0	0.00	2.7	0	0.00
127.5	39	0.22	149.9	0	0.00	NEW YORK	0.5	0	0.00	0.5	0	0.00
3.0	5	1.36	3.7	0	0.00	NORFOLK	9.6	2	0.17	11.5	0	0.00
0.4	1	1.81	0.4	0	0.00	ODESSA	1.2	0	0.00	1.3	0	0.00
1.0	0	0.00	1.1	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
4.7	0	0.00	5.8	0	0.00	OKLAHOMA CITY	0.0	0	0.00	0.0	0	0.00
4.8	2	0.33	5.6	0	0.00	OMAHA	0.4	0	0.00	0.4	1	1.92
3.1	1	0.26	3.6	0	0.00	ORLANDO	0.2	0	0.00	0.3	0	0.00
13.3	17	1.02	15.7	1	0.05	PATERSON	0.4	0	0.00	0.4	0	0.00
1.2	1	0.67	1.3	0	0.00	PENSACOLA	0.3	0	0.00	0.3	0	0.00
3.2	3	0.75	3.8	0	0.00	PEORIA	0.2	0	0.00	0.3	0	0.00
43.7	71	1.30	53.8	0	0.00	PHILADELPHIA	0.1	1	11.19	0.1	0	0.00
6.2	14	1.80	6.5	0	0.00	PHOENIX	5.8	11	1.53	6.4	0	0.00
27.8	75	2.16	30.7	1	0.03	PITTSBURGH	0.3	1	2.48	0.2	0	0.00
1.8	0	0.00	2.3	0	0.00	PITTSFIELD	1.9	3	1.29	1.7	0	0.00
2.3	0	0.00	3.0	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
11.0	13	0.96	12.6	0	0.00	PORTLAND OREG.	0.0	0	0.00	0.0	0	0.00
9.1	8	0.71	11.5	0	0.00	PROVIDENCE	0.2	0	0.00	0.2	0	0.00
0.8	3	2.95	0.9	0	0.00	PROVO	0.1	0	0.00	0.1	0	0.00
1.4	9	5.32	1.6	0	0.00	PUEBLO	0.0	0	0.00	0.0	0	0.00
1.6	1	0.50	1.8	0	0.00	RACINE	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.4	0	0.00	RALEIGH	0.0	0	0.00	0.0	0	0.00
3.8	10	2.11	4.6	0	0.00	READING	0.3	0	0.00	0.4	0	0.00
0.9	1	0.85	0.9	0	0.00	RENO	0.0	0	0.00	0.0	0	0.00
3.0	2	0.53	4.3	0	0.00	RICHMOND	0.0	0	0.00	0.0	0	0.00
1.6	1	0.51	1.9	0	0.00	ROANOKE	0.9	0	0.00	1.1	0	0.00
7.3	8	0.88	8.9	0	0.00	ROCHESTER	0.2	0	0.00	0.2	0	0.00
2.2	2	0.72	2.5	0	0.00	ROCKFORD	0.1	0	0.00	0.1	0	0.00
4.6	6	1.05	4.7	0	0.00	SACRAMENTO	0.0	1	17.06	0.0	0	0.00
1.8	2	0.88	2.1	0	0.00	SAGINAW	0.3	0	0.00	0.2	0	0.00
1.4	0	0.00	1.8	0	0.00	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
20.5	19	0.74	26.0	1	0.03	ST. LOUIS	0.0	0	0.00	0.1	0	0.00
3.4	11	2.62	3.9	0	0.00	SALT LAKE CITY	2.8	4	1.13	3.1	0	0.00
0.7	1	1.16	0.8	0	0.00	SAN ANGELO	0.1	0	0.00	0.0	0	0.00
5.4	0	0.00	6.8	0	0.00	SAN ANTONIO	0.0	0	0.00	0.0	0	0.00
9.3	7	0.60	10.2	0	0.00	SAN BERNARDINO	0.4	0	0.00	0.5	0	0.00
8.9	11	0.99	10.8	0	0.00	SAN DIEGO	0.3	0	0.00	0.3	0	0.00
29.5	26	0.71	35.2	1	0.02	SAN FRANCISCO	0.3	0	0.00	0.3	0	0.00
5.3	3	0.46	6.5	0	0.00	SAN JOSE	2.7	1	0.30	2.1	0	0.00
1.8	2	0.91	2.2	0	0.00	SANTA BARBARA	0.2	0	0.00	0.1	0	0.00
1.0	0	0.00	1.4	0	0.00	SAVANNAH	0.1	0	0.00	0.0	0	0.00
3.3	288	70.43	4.1	1	0.20	SCRANTON	0.5	1	1.49	0.7	0	0.00
12.6	8	0.51	14.3	0	0.00	SEATTLE	0.0	1	68.85	0.0	0	0.00
1.7	0	0.00	2.0	0	0.00	SHREVEPORT	0.5	0	0.00	0.3	0	0.00
1.5	0	0.00	1.7	0	0.00	SIOUX CITY	0.9	0	0.00	1.1	0	0.00
1.0	0	0.00	1.1	0	0.00	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
2.5	0	0.00	2.9	0	0.00	SOUTH BEND	0.0	0	0.00	0.0	0	0.00
3.5	4	0.90	3.9	0	0.00	SPOKANE	0.1	0	0.00	0.1	0	0.00
1.8	1	0.43	2.3	0	0.00	SPRINGFIELD I.	0.1	0	0.00	0.0	0	0.00
1.6	0	0.00	2.0	0	0.00	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
1.4	2	1.15	1.7	0	0.00	SPRINGFIELD O.	0.0	0	0.00	0.0	0	0.00
6.3	1	0.13	8.1	0	0.00	SPRINGFIELD MA	0.1	2	11.86	0.2	0	0.00
1.9	4	1.65	1.9	0	0.00	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
3.0	2	0.53	2.9	0	0.00	STOCKTON	0.1	1	9.81	0.1	0	0.00
6.5	11	1.35	7.6	0	0.00	SYRACUSE	0.4	1	2.06	0.2	0	0.00
3.7	3	0.66	4.0	1	0.20	TACOMA	0.1	1	9.53	0.1	0	0.00
14.2	6	0.34	15.4	0	0.00	TAMPA	0.1	0	0.00	0.1	0	0.00
1.5	1	0.53	1.8	0	0.00	TERRE HAUTE	0.7	0	0.00	0.8	0	0.00
0.9	0	0.00	1.0	0	0.00	TEXARKANA	0.1	0	0.00	0.1	0	0.00
5.3	10	1.53	6.2	0	0.00	TOLEDO	0.3	0	0.00	0.3	0	0.00
1.5	0	0.00	1.9	0	0.00	TOPEKA	0.4	2	4.44	0.4	0	0.00
2.9	15	4.14	3.4	0	0.00	TRENTON	0.1	0	0.00	0.1	0	0.00
2.5	3	0.95	2.8	1	0.29	TUCSON	0.2	0	0.00	0.2	0	0.00
4.0	2	0.40	4.8	0	0.00	TULSA	0.2	0	0.00	0.1	0	0.00
0.8	0	0.00	0.9	0	0.00	TUSCALOOSA	0.4	0	0.00	0.4	0	0.00
0.7	0	0.00	0.9	0	0.00	TYLER	0.3	0	0.00	0.3	0	0.00
4.3	7	1.30	5.0	0	0.00	UTICA	0.2	0	0.00	0.3	0	0.00
1.5	0	0.00	1.8	0	0.00	WACO	0.0	0	0.00	0.0	0	0.00
12.6	11	0.70	17.2	0	0.00	WASHINGTON	0.3	0	0.00	0.3	0	0.00
1.3	2	1.27	1.5	0	0.00	WATERLOO	3.6	1	0.22	4.1	0	0.00
3.2	2	0.50	3.5	0	0.00	W. PALM BEACH	0.0	0	0.00	0.0	0	0.00
2.7	3	0.89	3.0	0	0.00	WHEELING	0.4	0	0.00	0.3	0	0.00
2.7	0	0.00	3.6	0	0.00	WICHITA	0.1	0	0.00	0.1	0	0.00
1.2	0	0.00	1.6	0	0.00	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
4.8	1051	175.41	5.9	2	0.27	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
3.2	6	1.48	3.9	0	0.00	WILMINGTON	0.0	4	227.32	0.0	0	0.00
1.2	0	0.00	1.5	0	0.00	WINSTON-SALEM	0.4	0	0.00	0.4	0	0.00
7.7	10	1.04	9.5	0	0.00	WORCESTER	0.4	0	0.00	0.5	0	0.00
2.8	6	1.69	3.3	0	0.00	YORK	0.0	0	0.00	0.0	0	0.00
5.5	14	2.04	5.8	0	0.00	YOUNGSTOWN	0.0	1	18.76	0.0	0	0.00
1144.0	2584	1.81	1366.4	17	0.01	TOTAL 201 SMSA	0.4	1	1.85	0.4	0	0.00
							106.9	126	0.96	113.7	2	0.01

ALL AGE STANDARD RATE = 0.80

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER CHRONIC INTERSTITIAL PNEUMONIA (I.S.C. 525)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
3.4	6	3.95	3.9	5	2.94	ABILENE	0.2	0	0.00	0.2	0	0.00
15.2	59	8.65	16.3	34	4.54	AKRON	1.2	14	26.86	1.2	7	13.35
1.2	1	1.81	1.3	3	5.01	ALBANY GA	0.7	0	0.00	0.9	0	0.00
22.2	28	2.81	25.9	11	0.95	ALBANY NY	0.5	1	4.40	0.5	0	0.00
6.9	18	5.84	7.1	10	3.13	ALBUQUERQUE	0.2	1	9.51	0.2	0	0.00
16.3	42	5.74	18.3	12	1.46	ALLENTOWN	0.1	1	16.38	0.1	0	0.00
4.9	9	4.09	5.6	2	0.79	ALTOONA	0.0	0	0.00	0.0	0	0.00
3.8	5	2.94	4.1	1	0.55	AMARILLO	0.2	0	0.00	0.2	0	0.00
4.4	1	0.51	5.0	9	3.98	ANN ARBOR	0.3	0	0.00	0.3	2	13.59
3.7	4	2.39	4.2	3	1.57	ASHEVILLE	0.5	1	4.74	0.5	0	0.00
21.2	32	3.35	25.3	10	0.98	ATLANTA	6.3	16	5.69	7.5	16	4.78
5.2	2	0.85	6.1	1	0.36	ATLANTIC CITY	1.0	1	2.21	1.1	0	0.00
3.8	3	1.74	4.3	2	1.03	AUGUSTA	1.8	2	2.45	2.2	0	0.00
5.2	6	2.55	5.9	1	0.37	AUSTIN	0.8	0	0.00	[illegible]	0	0.00
8.0	6	1.67	7.9	6	1.68	BAKERSFIELD	0.7	1	3.15	0.5	0	0.00
40.4	78	4.30	47.1	59	2.79	BALTIMORE	10.6	75	15.74	11.1	51	10.24
4.0	0	0.00	4.4	1	0.51	BATON ROUGE	2.1	2	2.16	2.3	8	7.79
3.4	5	3.26	3.7	1	0.51	BAY CITY	0.0	0	0.00	0.0	0	0.00
6.8	6	1.95	7.2	5	1.55	BEAUMONT	1.8	2	2.41	1.9	1	1.19
2.4	1	0.92	2.5	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
7.1	11	3.45	8.0	7	1.95	BINGHAMTON	0.1	0	0.00	0.0	0	0.00
12.2	13	2.38	14.0	4	0.64	BIRMINGHAM	6.7	5	1.66	7.5	2	0.59
101.1	156	3.44	124.0	63	1.13	BOSTON	2.7	1	0.83	2.8	2	1.56
20.1	16	1.79	22.8	5	0.49	BRIDGEPORT	0.9	1	2.44	1.0	1	2.31
6.6	9	2.33	10.0	9	2.00	BROCKTON	0.2	0	0.00	0.2	0	0.00
4.3	3	1.56	4.4	3	1.50	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
40.1	77	4.27	44.5	12	0.60	BUFFALO	2.5	2	1.80	2.4	2	1.85
10.8	23	6.74	11.7	5	0.95	CANTON	0.5	1	4.10	0.5	3	12.74
4.6	12	5.86	5.2	8	3.45	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
3.3	3	2.01	3.8	2	1.17	CHAMPAIGN	0.2	0	0.00	0.2	0	0.00
3.5	2	1.29	3.9	2	1.16	CHARLESTON SC	2.0	3	3.29	2.4	0	0.00
6.8	4	1.30	7.3	2	0.61	CHARLESTON WVA	0.5	1	4.34	0.5	0	0.00
5.4	5	2.07	6.6	4	1.40	CHARLOTTE	1.8	2	2.51	2.0	2	2.23
6.8	13	4.26	7.8	5	1.42	CHATTANOOGA	1.5	2	2.28	1.7	0	0.00
173.3	133	1.71	191.6	59	0.69	CHICAGO	26.3	15	1.27	27.7	4	0.32
31.0	27	1.94	37.6	9	0.56	CINCINNATI	4.0	7	3.86	4.3	0	0.00
50.0	32	1.42	55.8	14	0.56	CLEVELAND	7.3	8	2.43	7.7	3	0.87
3.9	4	2.26	4.7	2	0.96	COLORADO SPRGS	0.2	0	0.00	0.2	0	0.00
4.6	9	4.36	3.3	0	0.00	COLUMBIA	2.0	0	0.00	2.3	0	0.00
3.7	1	0.60	4.3	0	0.00	COLUMBUS GA	1.6	0	0.00	2.0	3	3.36
18.1	20	2.46	21.1	6	0.63	COLUMBUS OHIO	2.5	2	1.78	2.6	1	0.85
5.8	1	0.39	5.9	0	0.00	CORPUS CHRISTI	0.3	0	0.00	0.3	0	0.00
26.4	24	2.03	30.8	16	1.16	DALLAS	4.8	4	1.85	4.9	0	0.00
9.0	10	2.47	9.9	5	1.12	DAVENPORT	0.2	1	11.44	0.2	0	0.00
18.7	46	5.47	20.8	16	1.71	DAYTON	2.0	14	15.36	2.1	2	2.15
3.7	5	2.97	4.3	8	4.10	DECATUR	0.2	1	12.09	0.2	0	0.00
27.2	37	3.03	31.1	23	1.65	DENVER	1.2	2	3.86	1.7	1	1.88
8.3	9	2.42	9.8	5	1.14	DES MOINES	0.4	0	0.00	0.4	3	17.46
101.6	121	2.65	104.5	47	1.00	DETROIT	15.6	22	3.14	15.8	15	2.12
2.7	6	4.95	3.3	3	2.03	DUBUQUE	0.0	0	0.00	0.0	0	0.00
10.4	26	5.54	10.3	5	1.08	DULUTH	0.1	0	0.00	0.1	0	0.00
2.0	5	5.51	2.5	2	1.91	DURHAM	0.9	0	0.00	1.1	0	0.00
8.0	15	4.17	8.7	10	2.57	EL PASO	0.3	0	0.00	0.2	0	0.00
8.1	6	1.65	8.9	4	1.01	ERIE	0.2	0	0.00	0.2	0	0.00
5.0	9	4.01	5.1	5	2.17	EUGENE	0.0	0	0.00	0.0	1	90.34
6.2	14	5.05	7.2	4	1.24	EVANSVILLE	0.5	0	0.00	0.5	0	0.00
13.3	18	3.01	16.3	7	0.96	FALL RIVER	0.2	0	0.00	0.2	0	0.00
3.5	6	3.83	3.6	4	2.49	FARGO	0.0	0	0.00	0.0	0	0.00
10.4	18	3.86	10.8	4	0.82	FLINT	1.0	0	0.00	1.0	0	0.00
10.9	33	6.72	11.1	6	1.20	FT. LAUDERDALE	1.5	4	6.06	1.5	16	23.28
2.1	6	6.49	2.4	3	2.76	FORT SMITH	0.2	1	13.23	0.2	1	11.33
7.0	9	2.86	8.0	4	1.12	FORT WAYNE	0.3	0	0.00	0.3	0	0.00
14.[illegible]	28	4.21	16.7	9	1.20	FORT WORTH	1.9	0	0.00	2.0	0	0.00
10.6	29	6.08	10.9	8	1.63	FRESNO	1.0	3	6.60	0.8	2	5.78
2.4	2	1.86	2.6	0	0.00	GADSDEN	0.4	0	0.00	0.5	0	0.00
3.2	1	0.70	3.3	1	0.68	GALVESTON	0.9	1	2.48	0.9	0	0.00
15.0	22	3.27	14.5	7	1.08	GARY	2.5	7	6.23	2.5	3	2.68
11.6	12	2.31	13.0	3	0.51	GRAND RAPIDS	0.4	1	4.98	0.5	0	0.00
2.4	8	7.55	2.3	2	1.91	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
4.0	2	1.10	4.4	2	1.02	GREEN BAY	0.0	0	0.00	0.0	0	0.00
5.2	8	3.40	6.1	4	1.47	GREENSBORO	1.4	1	1.64	1.6	0	0.00
4.6	7	3.38	5.3	4	1.67	GREENVILLE	1.0	3	6.70	1.1	4	7.81
5.6	3	1.19	6.1	0	0.00	HAMILTON	0.3	0	0.00	0.3	0	0.00
10.3	12	2.59	12.2	8	1.46	HARRISBURG	0.7	1	3.26	0.7	0	0.00
21.3	20	2.09	23.9	11	1.03	HARTFORD	0.9	4	10.19	0.9	0	0.00
4.1	4	2.19	4.1	0	0.00	HONOLULU	9.0	9	2.23	7.8	5	1.42
26.9	50	4.14	29.3	26	1.98	HOUSTON	7.0	35	11.06	7.3	35	10.63
8.0	11	3.07	8.7	4	1.03	HUNTINGTON	0.3	0	0.00	0.3	1	7.45
2.5	0	0.00	2.6	2	1.70	HUNTSVILLE	0.6	0	0.00	0.7	0	0.00
18.7	8	0.95	22.0	14	1.42	INDIANAPOLIS	3.2	5	3.45	3.4	1	0.66
4.1	4	2.15	4.6	2	0.98	JACKSON MICH	0.2	0	0.00	0.2	0	0.00
3.0	3	2.24	3.6	0	0.00	JACKSON MISS	2.3	1	0.99	2.5	0	0.00
9.6	15	3.50	10.7	10	2.07	JACKSONVILLE	3.1	4	2.85	3.4	2	1.29
19.4	23	2.64	21.8	6	0.41	JERSEY CITY	1.1	1	1.95	1.2	0	0.00
9.6	15	3.47	9.9	0	0.00	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
5.1	3	1.32	5.7	1	0.39	KALAMAZOO	0.2	0	0.00	0.2	0	0.00
29.6	47	3.54	34.5	19	1.23	KANSAS CITY	4.2	3	1.61	4.3	1	0.51
3.4	3	1.96	3.5	2	1.28	KENOSHA	0.0	0	0.00	0.0	0	0.00
9.7	15	3.44	10.9	3	0.61	KNOXVILLE	0.9	2	5.19	1.0	0	0.00
3.1	6	4.34	3.2	1	0.69	LAKE CHARLES	0.9	7	17.43	0.9	3	7.39
9.0	18	4.43	10.7	2	0.42	LANCASTER	0.1	0	0.00	0.1	0	0.00
8.9	15	3.73	9.9	1	0.23	LANSING	0.2	0	0.00	0.2	0	0.00
1.9	1	1.16	2.1	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
3.3	7	4.79	2.9	2	1.51	LAS VEGAS	0.3	0	0.00	0.3	0	0.00
2.0	2	2.25	2.1	0	0.00	LAWTON	0.3	0	0.00	0.3	0	0.00
3.3	4	2.68	3.8	0	0.00	LEXINGTON	0.7	0	0.00	0.8	0	0.00
3.3	8	5.45	3.6	0	0.00	LIMA	0.2	0	0.00	0.2	0	0.00
4.9	3	1.35	5.9	0	0.00	LINCOLN	0.1	0	0.00	0.1	0	0.00
5.8	4	1.53	6.6	3	1.01	LITTLE ROCK	1.9	0	0.00	2.0	2	2.26
6.4	22	7.71	6.6	13	4.37	LORAIN	0.4	1	5.93	0.4	2	12.18
189.6	309	3.63	227.4	163	1.60	LOS ANGELES	16.1	47	6.49	16.7	33	4.40

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
OTHER CHRONIC INTERSTITIAL PNEUMONIA (I.S.C. 525)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
19.5	26	7.94	23.0	15	1.45	LOUISVILLE	2.9	6	3.13	3.1	1	0.73
3.9	2	1.19	6.2	2	1.07	LUBBOCK	0.6	0	0.00	0.3	1	6.41
2.6	4	3.42	3.1	3	2.13	LYNCHBURG	0.7	2	6.08	0.8	1	2.78
3.3	8	9.67	3.8	2	1.17	MACON	1.5	0	0.00	1.0	1	1.18
6.8	8	7.96	7.8	4	1.17	MADISON	0.1	0	0.00	0.1	0	0.00
6.0	6	2.23	7.2	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
10.9	16	3.27	13.2	9	1.52	MEMPHIS	7.4	9	1.50	8.0	1	0.28
28.2	67	3.32	29.6	21	1.58	MIAMI	3.6	23	14.18	3.7	23	14.00
1.5	2	3.06	1.9	1	1.45	MIDLAND	0.2	0	0.00	0.2	0	0.00
37.2	70	4.72	41.1	22	1.19	MILWAUKEE	1.9	0	0.00	1.8	0	0.00
47.6	68	2.10	54.5	23	0.94	MINNEAPOLIS	0.9	1	2.54	0.8	0	0.00
5.9	7	4.65	6.5	6	2.97	MOBILE	2.9	12	9.32	3.2	8	5.94
2.0	6	4.35	2.2	2	1.90	MONROE	1.1	0	0.00	1.2	1	1.90
2.8	2	1.57	3.6	4	2.61	MONTGOMERY	1.9	0	0.00	2.4	2	1.89
3.3	3	2.05	3.6	1	0.61	MUNCIE	0.2	1	11.92	0.2	0	0.00
6.4	15	7.69	4.6	10	4.87	MUSKEGON	0.4	0	0.00	0.3	1	6.38
9.2	8	1.05	11.2	3	0.60	NASHVILLE	2.3	3	2.86	2.7	0	0.00
47.8	82	3.82	55.7	26	1.04	NEWARK	6.0	5	1.85	6.6	2	0.67
20.8	32	3.42	23.5	12	1.16	NEW HAVEN	1.0	2	4.46	1.0	0	0.00
17.5	26	3.31	21.1	17	1.60	NEW ORLEANS	8.0	39	10.87	9.0	25	6.46
4.2	1	0.53	4.3	4	2.08	NEWPORT NEWS	1.8	9	11.24	1.7	3	3.82
316.7	393	2.78	354.1	126	0.78	NEW YORK	32.9	23	1.56	36.9	16	0.96
10.8	23	4.75	11.9	12	2.24	NORFOLK	4.3	7	3.59	4.7	8	5.83
2.0	7	7.69	2.0	1	1.12	ODESSA	0.1	0	0.00	0.1	0	0.00
3.3	6	4.02	3.5	3	1.93	OGDEN	0.1	0	0.00	0.1	0	0.00
14.0	7	1.12	15.8	7	0.98	OKLAHOMA CITY	1.5	0	0.00	1.6	1	1.43
14.1	8	1.42	15.7	2	0.28	OMAHA	0.9	1	2.46	0.9	0	0.00
8.8	5	1.24	9.7	2	0.46	ORLANDO	1.5	2	2.88	1.5	0	0.00
35.8	55	3.42	40.3	23	1.27	PATERSON	1.1	0	0.00	1.2	1	1.80
4.4	5	2.53	4.6	1	0.68	PENSACOLA	1.1	1	2.03	1.2	0	0.00
9.1	10	2.44	10.2	3	0.65	PEORIA	0.3	0	0.00	0.3	0	0.00
118.2	132	2.40	137.0	49	0.90	PHILADELPHIA	19.4	25	2.87	20.0	10	1.06
19.0	68	7.06	19.3	18	2.08	PHOENIX	1.2	2	3.71	1.1	1	2.10
74.5	102	3.06	79.9	31	0.86	PITTSBURGH	5.3	12	5.01	5.1	2	0.87
4.8	16	7.36	5.8	3	1.19	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
6.1	12	4.36	7.5	9	1.48	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
26.3	69	3.30	31.3	15	1.07	PORTLAND OREG.	0.8	1	2.89	0.7	1	3.31
23.7	24	2.44	28.2	6	0.47	PROVIDENCE	0.5	2	9.24	0.5	0	0.00
3.0	6	2.94	3.1	1	0.71	PROVO	0.0	0	0.00	0.0	0	0.00
3.9	7	1.94	4.2	5	2.57	PUEBLO	0.1	0	0.00	0.1	0	0.00
4.6	4	2.90	4.0	1	0.65	RACINE	0.1	0	0.00	0.1		0.00
3.3	5	3.60	3.9	1	0.59	RALEIGH	1.2	0	0.00	1.3	0	0.00
9.4	17	4.01	10.5	4	0.96	READING	0.1	0	0.00	0.1	0	0.00
2.0	8	6.89	2.5	4	3.60	RENO	0.1	0	0.00	0.1	0	0.00
8.7	12	3.08	11.0	9	1.82	RICHMOND	3.1	8	5.76	3.6	6	3.88
4.3	2	1.04	5.0	5	2.23	ROANOKE	0.6	2	7.17	0.7	0	0.00
19.4	27	3.10	24.9	12	1.10	ROCHESTER	0.7	2	6.44	0.7	2	6.27
6.5	11	3.78	7.1	3	0.94	ROCKFORD	0.2	2	18.41	0.3	0	0.00
14.1	54	8.50	14.3	23	3.96	SACRAMENTO	1.2	6	11.58	0.9	3	7.04
5.6	6	2.38	6.0	2	0.74	SAGINAW	0.5	0	0.00	0.5	1	4.32
3.4	8	3.89	4.2	2	1.07	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
57.8	78	3.06	67.9	38	1.25	ST. LOUIS	9.5	30	7.02	10.3	27	5.86
11.5	11	2.12	12.6	5	0.88	SALT LAKE CITY	0.2	0	0.00	0.1	0	0.00
2.0	2	2.28	2.2	0	0.00	SAN ANGELO	0.1	1	21.01	0.1	0	0.00
16.3	7	0.95	20.8	10	1.07	SAN ANTONIO	1.3	1	1.05	1.5	1	1.44
26.3	70	3.83	27.6	45	3.70	SAN BERNARDINO	1.2	6	11.52	1.1	3	6.23
27.9	27	2.14	31.1	11	0.70	SAN DIEGO	1.4	2	3.08	1.4	1	1.60
78.2	136	3.87	89.3	82	2.04	SAN FRANCISCO	9.6	24	5.58	8.6	21	5.46
17.9	46	6.70	20.0	45	3.80	SAN JOSE	0.6	1	3.62	0.5	1	4.33
5.1	9	3.93	5.9	4	1.51	SANTA BARBARA	0.2	0	0.00	0.2	1	13.98
3.4	12	7.87	4.0	0	0.00	SAVANNAH	1.8	3	3.72	2.1	2	2.10
8.0	11	3.06	9.5	3	0.70	SCRANTON	0.0	0	0.00	0.0	0	0.00
35.2	62	2.69	38.2	13	0.76	SEATTLE	1.7	4	5.19	1.4	0	0.00
5.3	4	1.68	6.0	0	0.00	SHREVEPORT	3.1	0	0.00	3.5	1	0.64
3.9	5	1.72	4.2	3	1.58	SIOUX CITY	0.1	0	0.00	0.1	1	33.73
2.9	3	2.33	3.1	2	1.42	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
7.0	6	1.90	7.8	1	0.29	SOUTH BEND	0.4	0	0.00	0.4	0	0.00
9.7	5	1.14	10.3	2	0.43	SPOKANE	0.2	0	0.00	0.2	0	0.00
4.9	8	2.26	5.8	0	0.00	SPRINGFIELD I.	0.2	1	9.96	0.2	0	0.00
4.3	5	1.56	5.0	1	0.46	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
3.9	7	3.97	4.0	3	1.49	SPRINGFIELD O.	0.4	1	5.51	0.5	0	0.00
17.1	23	3.00	20.3	11	1.21	SPRINGFIELD MA	0.6	1	5.10	0.5	1	4.85
5.3	6	2.52	5.2	5	2.13	STEUBENVILLE	0.2	0	0.00	0.2	0	0.00
7.9	6	2.55	7.6	1	0.29	STOCKTON	1.0	0	0.00	0.6	0	0.00
18.5	34	4.09	20.8	8	0.87	SYRACUSE	0.4	0	0.00	0.4	0	0.00
10.1	9	1.90	10.7	4	0.83	TACOMA	0.4	0	0.00	0.4	1	5.67
31.4	46	3.26	33.5	11	0.79	TAMPA	2.7	4	3.32	2.8	3	2.60
3.7	9	7.88	4.3	4	2.06	TERRE HAUTE	0.2	1	11.74	0.2	0	0.00
2.3	2	1.90	2.6	1	0.87	TEXARKANA	0.8	0	0.00	0.9	0	0.00
14.2	60	6.27	15.9	13	1.82	TOLEDO	1.3	3	5.20	1.3	2	3.35
4.3	14	7.17	5.1	4	1.74	TOPEKA	0.4	0	0.00	0.6	0	0.00
7.4	8	2.30	8.5	2	0.52	TRENTON	0.9	2	4.89	0.9	1	2.45
7.5	16	4.74	9.0	8	2.24	TUCSON	0.5	0	0.00	0.5	0	0.00
11.6	11	2.11	13.0	3	0.51	TULSA	1.3	1	1.73	1.4	0	0.00
2.3	9	2.93	2.5	2	1.77	TUSCALOOSA	0.9	0	0.00	1.0	0	0.00
2.0	0	0.00	2.2	0	0.00	TYLER	0.8	1	2.32	0.9	0	0.00
11.5	19	2.51	13.0	3	0.51	UTICA	0.1	0	0.00	0.1	0	0.00
4.1	8	4.88	4.5	0	0.00	WACO	0.8	0	0.00	0.9	1	2.67
40.1	37	2.08	48.9	18	0.82	WASHINGTON	13.4	38	5.99	14.5	24	3.69
3.8	4	2.34	4.2	1	0.52	WATERLOO	0.2	0	0.00	0.1	0	0.00
7.3	6	1.22	7.8	1	0.28	W. PALM BEACH	1.5	1	1.46	1.4	2	3.23
6.8	18	3.27	7.5	4	1.19	WHEELING	0.2	0	0.00	0.2	0	0.00
9.5	12	2.88	10.5	5	1.06	WICHITA	0.7	0	0.00	0.7	0	0.00
3.6	4	2.47	4.0	1	0.56	WICHITA FALLS	0.3	0	0.00	0.3	1	8.30
11.5	21	4.09	13.6	6	0.98	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
9.8	26	5.46	10.9	13	2.66	WILMINGTON	1.4	14	21.99	1.4	6	9.71
3.8	3	1.75	4.6	1	0.51	WINSTON-SALEM	1.3	2	3.53	1.5	0	0.00
20.3	38	4.17	23.7	11	1.08	WORCESTER	0.1	0	0.00	0.1	2	35.31
7.8	11	3.15	8.6	2	0.52	YORK	0.2	0	0.00	0.2	2	26.55
19.4	36	5.21	19.9	18	2.53	YOUNGSTOWN	1.4	8	12.30	1.4	8	12.83
3198.9	6516	3.14	3600.9	1893	1.17	TOTAL 201 SMSA	378.0	702	4.13	397.7	477	2.67

ALL AGE STANDARD RATE = 2.23

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
BRONCHIECTASIS (I.S.C. 526)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
1.7	1	0.72	2.0	4	2.39	ABILENE	0.1	0	0.00	0.1	0	0.00
7.8	13	2.00	9.9	8	1.07	AKRON	0.5	0	0.00	0.5	0	0.00
0.4	1	2.69	0.5	0	0.00	ALBANY GA	0.3	0	0.00	0.4	0	0.00
12.4	13	1.26	15.7	6	0.46	ALBANY NY	0.2	2	11.86	0.2	0	0.00
2.7	6	2.65	3.1	3	1.18	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
9.2	15	1.96	11.0	5	0.55	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
2.8	5	2.12	3.5	1	0.35	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.7	1	0.71	2.0	2	1.21	AMARILLO	0.1	0	0.00	0.1	0	0.00
2.1	5	2.27	2.7	2	0.89	ANN ARBOR	0.1	0	0.00	0.1	0	0.00
2.1	2	1.14	2.6	2	0.93	ASHEVILLE	0.2	0	0.00	0.3	0	0.00
10.1	20	2.39	13.7	16	1.23	ATLANTA	2.6	6	2.80	3.5	1	0.35
3.2	1	0.38	3.9	0	0.00	ATLANTIC CITY	0.5	0	0.00	0.6	0	0.00
1.7	1	0.69	2.2	3	1.63	AUGUSTA	0.8	4	6.14	1.0	0	0.00
2.6	1	0.46	3.2	1	0.37	AUSTIN	0.4	0	0.00	0.5	0	0.00
3.9	8	1.55	3.9	5	1.53	BAKERSFIELD	0.3	1	3.65	0.2	1	5.58
21.0	30	1.71	26.8	13	0.58	BALTIMORE	4.4	6	1.64	4.7	3	0.76
1.6	1	0.73	2.1	0	0.00	BATON ROUGE	0.9	0	0.00	1.1	1	1.13
1.6	4	2.92	1.9	2	1.26	BAY CITY	0.0	0	0.00	0.0	0	0.00
3.2	5	1.50	3.6	0	0.00	BEAUMONT	0.8	0	0.00	0.8	0	0.00
1.2	3	3.06	1.2	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
3.8	4	1.27	4.6	5	1.30	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
6.2	6	1.16	7.9	1	0.15	BIRMINGHAM	3.1	1	0.39	3.7	0	0.00
55.5	104	2.25	75.2	52	0.83	BOSTON	1.2	4	3.96	1.3	0	0.00
11.0	18	1.96	13.4	12	1.07	BRIDGEPORT	0.3	1	3.50	0.4	0	0.00
4.6	7	1.81	5.9	3	0.61	BROCKTON	0.1	0	0.00	0.1	0	0.00
1.7	4	2.80	1.9	2	1.26	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
21.2	31	1.75	25.1	9	0.43	BUFFALO	0.9	3	3.96	0.9	1	1.37
5.8	8	1.65	6.7	6	1.08	CANTON	0.2	0	0.00	0.2	0	0.00
2.3	3	1.54	2.9	1	0.41	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
1.5	6	4.69	2.0	0	0.00	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.4	1	0.84	1.8	2	1.31	CHARLESTON SC	0.7	1	1.76	1.0	1	1.24
3.4	5	1.76	3.9	4	1.24	CHARLESTON WVA	0.3	1	4.46	0.3	0	0.00
2.5	1	0.48	3.3	0	0.00	CHARLOTTE	0.7	1	1.78	0.8	0	0.00
3.5	5	1.72	4.4	10	2.75	CHATTANOOGA	0.7	1	1.71	0.9	0	0.00
92.8	121	1.56	109.6	43	0.47	CHICAGO	10.3	8	0.93	11.5	2	0.21
16.1	40	2.98	21.6	23	1.28	CINCINNATI	1.8	4	2.60	2.0	4	2.39
26.8	50	2.23	32.1	27	1.01	CLEVELAND	3.0	2	0.79	3.3	1	0.36
1.9	3	1.89	2.5	2	0.95	COLORADO SPRGS	0.0	0	0.00	0.1	0	0.00
2.2	4	2.16	2.9	1	0.42	COLUMBIA	0.6	1	1.49	1.0	0	0.00
1.5	2	1.59	2.0	4	2.43	COLUMBUS GA	0.6	0	0.00	0.9	0	0.00
8.8	23	3.14	11.5	7	0.73	COLUMBUS OHIO	1.1	4	4.26	1.2	0	0.00
2.3	4	2.08	2.5	0	0.00	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
12.9	11	1.02	16.8	11	0.79	DALLAS	1.9	0	0.00	2.1	0	0.00
4.8	1	0.25	4.7	1	0.21	DAVENPORT	0.1	0	0.00	0.1	0	0.00
9.2	14	1.83	11.1	5	0.54	DAYTON	0.9	4	5.64	0.9	0	0.00
2.0	2	1.19	2.6	0	0.00	DECATUR	0.1	0	0.00	0.1	0	0.00
13.5	26	2.13	17.0	13	0.92	DENVER	0.5	2	4.98	0.5	0	0.00
4.3	7	1.95	5.6	4	0.85	DES MOINES	0.2	0	0.00	0.2	0	0.00
50.3	60	1.43	54.5	28	0.62	DETROIT	6.3	6	1.13	6.6	4	0.72
1.3	1	0.89	1.8	1	0.65	DUBUQUE	0.0	0	0.00	0.0	0	0.00
5.9	5	1.02	5.9	1	0.20	DULUTH	0.0	0	0.00	0.0	0	0.00
1.0	0	0.00	1.4	1	0.85	DURHAM	0.4	0	0.00	0.5	1	2.26
3.0	7	2.83	3.6	0	0.00	EL PASO	0.1	0	0.00	0.1	0	0.00
4.2	6	1.70	5.0	3	0.72	ERIE	0.1	0	0.00	0.1	0	0.00
2.6	4	1.84	2.7	3	1.31	EUGENE	0.0	0	0.00	0.0	0	0.00
3.3	7	2.54	4.2	2	0.57	EVANSVILLE	0.3	0	0.00	0.3	0	0.00
7.5	14	2.22	10.1	4	0.48	FALL RIVER	0.1	0	0.00	0.1	0	0.00
1.7	2	1.38	1.9	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
4.7	5	1.27	5.2	3	0.69	FLINT	0.3	0	0.00	0.3	0	0.00
6.6	9	1.64	6.8	1	0.18	FT. LAUDERDALE	0.4	1	2.75	0.4	0	0.00
1.2	4	4.10	1.5	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
3.5	9	3.10	4.4	3	0.82	FORT WAYNE	0.1	0	0.00	0.1	1	10.51
7.3	15	2.47	9.0	3	0.40	FORT WORTH	0.8	0	0.00	0.9	0	0.00
5.4	13	2.87	5.8	4	0.83	FRESNO	0.5	3	7.08	0.3	0	0.00
1.2	2	1.93	1.5	2	1.63	GADSDEN	0.2	0	0.00	0.2	0	0.00
1.6	3	2.26	1.7	0	0.00	GALVESTON	0.4	0	0.00	0.4	0	0.00
7.1	9	1.35	7.0	5	0.86	GARY	0.9	1	1.30	0.9	0	0.00
5.8	7	1.44	7.2	6	1.00	GRAND RAPIDS	0.2	1	7.32	0.2	0	0.00
1.1	1	1.09	1.1	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.9	4	2.52	2.2	1	0.54	GREEN BAY	0.0	0	0.00	0.0	0	0.00
2.5	3	1.43	3.2	5	1.86	GREENSBORO	0.6	0	0.00	0.6	0	0.00
2.2	5	2.76	2.8	2	0.86	GREENVILLE	0.4	0	0.00	0.5	0	0.00
2.7	4	1.78	3.2	6	2.25	HAMILTON	0.1	0	0.00	0.1	0	0.00
5.7	13	2.75	7.3	3	0.49	HARRISBURG	0.3	1	4.06	0.3	0	0.00
11.3	5	0.53	12.6	4	0.35	HARTFORD	0.3	1	3.96	0.3	0	0.00
1.5	1	0.79	1.6	5	3.72	HONOLULU	3.9	4	1.22	3.2	7	2.64
12.2	9	0.88	14.5	7	0.58	HOUSTON	2.7	5	2.20	3.0	0	0.00
4.3	5	1.38	5.0	6	1.44	HUNTINGTON	0.2	0	0.00	0.2	0	0.00
1.0	2	2.33	1.2	2	2.02	HUNTSVILLE	0.3	0	0.00	0.3	0	0.00
9.4	6	0.76	12.3	10	0.97	INDIANAPOLIS	1.5	1	0.82	1.6	0	0.00
2.2	3	1.66	2.5	3	1.42	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
1.4	2	1.70	1.9	0	0.00	JACKSON MISS	0.9	0	0.00	1.1	1	1.10
4.4	8	2.17	5.5	7	1.53	JACKSONVILLE	1.3	5	4.56	1.6	2	1.52
11.2	21	2.24	13.3	3	0.27	JERSEY CITY	0.4	1	2.96	0.5	0	0.00
5.4	2	0.44	5.7	1	0.21	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
2.5	4	1.89	3.1	2	0.77	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
15.3	15	1.17	19.7	13	0.79	KANSAS CITY	1.9	3	1.85	2.1	1	0.57
1.8	0	0.00	1.9	1	0.64	KENOSHA	0.0	0	0.00	0.0	0	0.00
4.9	8	1.94	6.1	5	0.98	KNOXVILLE	0.4	0	0.00	0.5	0	0.00
1.2	2	1.99	1.4	1	0.88	LAKE CHARLES	0.3	0	0.00	0.3	1	3.46
4.9	5	1.23	6.3	6	1.15	LANCASTER	0.1	0	0.00	0.1	0	0.00
4.4	13	3.56	5.2	7	1.61	LANSING	0.1	0	0.00	0.1	1	16.32
0.8	3	4.52	1.0	1	1.22	LAREDO	0.0	0	0.00	0.0	0	0.00
1.6	2	1.54	1.4	1	0.88	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.8	0	0.00	0.9	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
1.7	5	3.52	2.2	3	1.64	LEXINGTON	0.4	0	0.00	0.4	0	0.00
1.7	4	2.77	2.1	0	0.00	LIMA	0.1	0	0.00	0.1	0	0.00
2.6	4	1.87	3.6	3	1.06	LINCOLN	0.0	0	0.00	0.0	0	0.00
3.0	4	1.59	3.7	3	0.97	LITTLE ROCK	0.9	2	2.70	1.0	1	1.19
3.0	7	2.77	3.3	3	1.08	LORAIN	0.1	0	0.00	0.1	0	0.00
100.4	182	1.93	132.9	94	0.85	LOS ANGELES	6.6	5	0.90	7.1	3	0.90

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

BRONCHIECTASIS (I.S.C. 526)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
9.6	15	1.87	12.7	15	1.42	LOUISVILLE	1.4	2	1.76	1.6	0	0.00
1.6	1	0.74	1.9	0	0.00	LUBBOCK	0.1	0	0.00	0.1	1	12.02
1.4	3	2.58	1.9	1	0.64	LYNCHBURG	0.4	1	3.37	0.4	0	0.00
1.5	3	2.45	2.0	3	1.93	MACON	0.6	0	0.00	0.9	0	0.00
3.3	5	1.81	4.1	6	1.76	MADISON	0.0	0	0.00	0.0	0	0.00
3.3	2	0.74	4.3	3	0.84	MANCHESTER	0.0	0	0.00	0.0	0	0.00
5.3	6	1.35	7.3	14	2.30	MEMPHIS	3.3	3	1.09	3.7	3	0.97
16.6	25	1.80	18.0	6	0.40	MIAMI	1.2	1	0.99	1.3	1	0.95
0.5	0	0.00	0.6	2	4.12	MIDLAND	0.1	0	0.00	0.1	0	0.00
19.4	15	0.93	23.0	9	0.47	MILWAUKEE	0.5	0	0.00	0.5	0	0.00
23.6	22	1.12	29.7	13	0.53	MINNEAPOLIS	0.4	0	0.00	0.4	0	0.00
2.7	2	0.90	3.2	2	0.74	MOBILE	1.1	3	3.30	1.4	1	0.87
1.0	1	1.19	1.2	0	0.00	MONROE	0.5	0	0.00	0.6	0	0.00
1.3	4	3.69	1.8	0	0.00	MONTGOMERY	0.8	0	0.00	1.2	1	1.03
1.7	2	1.42	2.0	2	1.18	MUNCIE	0.1	0	0.00	0.1	0	0.00
2.1	4	2.27	2.3	1	0.51	MUSKEGON	0.1	0	0.00	0.1	0	0.00
4.7	6	1.54	6.3	9	1.70	NASHVILLE	1.1	1	1.06	1.4	1	0.87
27.0	33	1.47	33.8	7	0.25	NEWARK	2.5	3	1.47	2.9	2	0.81
11.5	14	1.46	13.9	11	0.95	NEW HAVEN	0.4	2	6.65	0.4	0	0.00
8.7	9	1.23	11.8	5	0.51	NEW ORLEANS	3.2	3	1.11	4.1	1	0.29
1.8	3	1.97	2.0	0	0.00	NEWPORT NEWS	0.8	0	0.00	0.7	0	0.00
180.6	253	1.68	216.9	109	0.60	NEW YORK	14.4	20	1.66	17.8	4	0.27
4.7	8	2.05	5.8	1	0.21	NORFOLK	1.8	1	0.67	2.0	0	0.00
0.7	2	3.29	0.7	2	3.31	ODESSA	0.0	0	0.00	0.0	0	0.00
1.5	0	0.00	1.7	2	1.45	OGDEN	0.0	0	0.00	0.0	0	0.00
7.1	5	0.84	8.9	4	0.54	OKLAHOMA CITY	0.6	2	4.05	0.6	0	0.00
7.1	7	1.18	8.6	6	0.84	OMAHA	0.4	0	0.00	0.4	0	0.00
4.7	7	1.79	5.4	4	0.89	ORLANDO	0.6	0	0.00	0.4	0	0.00
19.5	24	1.47	23.6	8	0.41	PATERSON	0.4	1	2.73	0.6	1	1.88
1.9	5	3.10	2.1	1	0.56	PENSACOLA	0.4	0	0.00	0.5	0	0.00
4.8	2	0.50	5.8	2	0.41	PEORIA	0.1	0	0.00	0.1	0	0.00
64.1	120	2.24	80.5	49	0.73	PHILADELPHIA	8.6	17	2.37	9.8	9	1.10
9.3	62	8.00	9.8	37	4.53	PHOENIX	0.5	0	0.00	0.4	1	3.11
40.9	34	1.00	46.2	21	0.54	PITTSBURGH	2.6	7	3.17	2.5	0	0.00
2.7	5	2.24	3.5	1	0.34	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
3.4	13	4.53	4.6	2	0.52	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
16.2	15	1.11	19.0	9	0.57	PORTLAND OREG.	0.4	0	0.00	0.3	0	0.00
13.3	18	1.62	17.2	5	0.35	PROVIDENCE	0.2	0	0.00	0.2	0	0.00
1.3	2	1.90	1.4	0	0.00	PROVO	0.0	0	0.00	0.0	0	0.00
2.1	2	1.16	2.3	0	0.00	PUEBLO	0.1	0	0.00	0.1	0	0.00
2.4	1	0.51	2.7	0	0.00	RACINE	0.0	0	0.00	0.0	0	0.00
1.6	1	0.73	2.1	0	0.00	RALEIGH	0.5	1	2.31	0.6	0	0.00
5.5	11	2.38	6.5	5	0.92	READING	0.1	0	0.00	0.1	0	0.00
1.4	3	2.57	1.3	0	0.00	RENO	0.0	1	26.66	0.0	0	0.00
4.6	2	0.53	6.5	2	0.37	RICHMOND	1.4	0	0.00	1.7	2	1.41
2.3	2	1.04	2.9	2	0.81	ROANOKE	0.3	0	0.00	0.4	0	0.00
10.7	18	2.02	13.5	11	0.97	ROCHESTER	0.2	0	0.00	0.2	1	5.59
3.3	3	1.09	3.8	3	0.94	ROCKFORD	0.1	0	0.00	0.1	0	0.00
6.9	15	2.59	7.3	5	0.82	SACRAMENTO	0.5	3	7.07	0.3	0	0.00
2.7	7	3.06	3.2	3	1.14	SAGINAW	0.2	2	14.90	0.2	0	0.00
2.1	4	2.33	2.7	2	0.90	ST. JOSEPH	0.1	1	18.69	0.1	0	0.00
30.2	37	1.47	39.1	21	0.64	ST. LOUIS	4.2	4	1.15	4.8	6	1.50
5.1	6	1.40	6.1	4	0.79	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.0	0	0.00	1.2	2	1.97	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
8.3	12	1.74	10.5	6	0.69	SAN ANTONIO	0.6	0	0.00	0.1	0	0.00
13.9	40	3.44	15.4	23	1.79	SAN BERNARDINO	0.5	1	2.58	0.8	0	0.00
13.9	24	2.07	16.8	11	0.78	SAN DIEGO	0.5	1	2.50	0.4	2	5.70
43.4	62	1.71	53.3	33	0.74	SAN FRANCISCO	4.0	8	2.37	3.3	1	0.36
8.3	9	1.30	10.3	4	0.47	SAN JOSE	0.3	0	0.00	0.2	0	0.00
2.7	6	2.70	3.4	2	0.71	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
1.5	4	3.15	2.1	5	2.88	SAVANNAH	0.8	2	3.03	1.0	0	0.00
4.7	5	1.28	6.0	0	0.00	SCRANTON	0.0	0	0.00	0.0	0	0.00
19.0	20	1.26	21.8	13	0.71	SEATTLE	0.8	3	4.41	0.5	0	0.00
2.5	2	0.94	3.1	2	0.76	SHREVEPORT	1.4	0	0.00	1.7	0	0.00
2.2	5	2.77	2.5	1	0.49	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
1.4	3	2.50	1.7	1	0.72	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
3.7	2	0.64	4.3	1	0.28	SOUTH BEND	0.2	0	0.00	0.2	0	0.00
5.4	5	1.11	6.0	2	0.40	SPOKANE	0.1	0	0.00	0.1	0	0.00
2.7	4	1.75	3.5	2	0.68	SPRINGFIELD I.	0.1	0	0.00	0.1	0	0.00
2.4	4	1.97	3.1	3	1.16	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
2.2	2	1.11	2.7	0	0.00	SPRINGFIELD O.	0.2	0	0.00	0.1	1	20.66
9.3	16	2.06	12.1	6	0.59	SPRINGFIELD MA	0.1	0	0.00	0.2	0	0.00
2.9	5	2.09	2.9	6	2.49	STEUBENVILLE	0.1	0	0.00	0.2	0	0.00
4.5	8	2.15	4.3	3	0.83	STOCKTON	0.5	1	2.18	0.1	0	0.00
9.7	9	1.11	11.7	3	0.31	SYRACUSE	0.1	0	0.00	0.2	0	0.00
5.6	9	1.94	6.1	3	0.59	TACOMA	0.1	0	0.00	0.1	0	0.00
20.1	25	1.49	21.9	3	0.16	TAMPA	1.1	2	2.14	1.2	1	0.99
2.2	4	2.21	2.7	0	0.00	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
1.4	6	5.29	1.6	1	0.77	TEXARKANA	0.4	0	0.00	0.5	0	0.00
7.6	18	2.83	9.2	3	0.39	TOLEDO	0.5	0	0.00	0.6	0	0.00
2.2	3	1.61	2.9	0	0.00	TOPEKA	0.2	0	0.00	0.2	0	0.00
4.2	8	2.26	5.1	1	0.23	TRENTON	0.4	1	3.26	0.4	1	3.22
3.7	39	12.69	4.1	24	6.97	TUCSON	0.2	1	5.29	0.2	0	0.00
6.0	10	1.99	7.3	3	0.49	TULSA	0.6	0	0.00	0.7	2	3.54
1.2	0	0.00	1.4	1	0.84	TUSCALOOSA	0.4	0	0.00	0.5	0	0.00
1.1	6	6.54	1.3	3	2.72	TYLER	0.4	0	0.00	0.4	0	0.00
6.5	11	2.04	7.7	5	0.78	UTICA	0.1	0	0.00	0.0	0	0.00
2.2	7	3.75	2.7	2	0.89	WACO	0.4	0	0.00	0.5	0	0.00
19.3	25	1.55	26.9	21	0.94	WASHINGTON	5.6	8	1.71	6.6	2	0.37
1.9	6	3.76	2.3	4	2.07	WATERLOO	0.1	0	0.00	0.0	0	0.00
4.5	4	1.07	4.9	2	0.49	W. PALM BEACH	0.6	0	0.00	0.5	0	0.00
4.0	5	1.49	4.6	2	0.52	WHEELING	0.1	0	0.00	0.1	0	0.00
4.2	5	1.41	5.4	6	1.34	WICHITA	0.2	0	0.00	0.2	0	0.00
1.8	3	2.03	2.1	0	0.00	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
6.8	4	0.71	8.5	7	0.98	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
4.9	5	1.22	5.9	5	1.01	WILMINGTON	0.6	1	1.91	0.6	1	1.97
1.8	3	2.00	2.3	4	2.06	WINSTON-SALEM	0.6	1	2.17	0.7	0	0.00
11.4	25	2.63	14.5	11	0.91	WORCESTER	0.1	0	0.00	0.1	0	0.00
4.2	5	1.41	5.0	3	0.72	YORK	0.1	0	0.00	0.1	0	0.00
8.2	12	1.75	8.8	6	0.82	YOUNGSTOWN	0.6	1	1.90	0.1	1	17.91
1689.6	2517	1.79	2059.5	1276	0.74	TOTAL 201 SMSA	159.4	207	1.56	176.5	85	0.58

ALL AGE STANDARD RATE = 1.20

TABLE I 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

EMPHYSEMA WITHOUT MENTION OF BRONCHITIS (I.S.C. 527.1)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
7.0	14	10.34	8.6	1	0.61	ABILENE	0.3	0	0.00	0.3	0	0.00
34.7	59	9.86	38.9	6	0.90	AKRON	2.0	3	7.89	2.0	1	2.62
1.6	8	11.79	2.2	2	6.69	ALBANY GA	1.2	2	8.80	1.8	1	2.90
54.7	152	14.46	69.9	8	0.61	ALBANY NY	0.9	1	6.00	0.9	0	0.00
11.3	45	20.76	12.7	11	4.90	ALBUQUERQUE	0.3	0	0.00	0.3	0	0.00
40.3	76	9.83	47.5	15	1.06	ALLENTOWN	0.3	0	0.00	0.2	0	0.00
12.5	28	11.67	15.1	2	0.69	ALTOONA	0.1	0	0.00	0.1	0	0.00
7.1	13	9.54	8.6	1	0.42	AMARILLO	0.3	0	0.00	0.3	0	0.00
8.9	16	9.33	11.3	1	0.46	ANN ARBOR	0.6	2	17.23	0.6	1	8.53
9.2	17	9.67	11.1	1	0.49	ASHEVILLE	1.1	1	4.72	1.3	0	0.00
42.7	90	10.99	59.2	15	1.34	ATLANTA	10.9	11	5.24	14.7	2	0.71
14.2	18	5.61	17.6	3	0.90	ATLANTIC CITY	2.4	3	6.44	2.7	1	1.90
7.2	24	17.29	8.9	9	2.80	AUGUSTA	3.3	10	15.72	4.5	1	1.16
10.9	19	9.04	19.7	3	1.16	AUSTIN	1.7	1	3.03	2.3	1	2.30
16.6	48	14.12	16.9	11	3.45	BAKERSFIELD	1.5	0	0.00	0.9	2	11.43
91.4	211	12.03	115.9	34	1.53	BALTIMORE	18.8	39	10.83	29.0	4	1.04
6.8	21	16.02	9.9	0	0.00	BATON ROUGE	3.7	1	1.41	4.5	0	0.00
7.1	19	14.01	8.1	5	3.20	BAY CITY	0.0	0	0.00	0.0	0	0.00
13.8	26	9.09	19.6	7	2.38	BEAUMONT	3.4	1	1.53	3.4	0	0.00
5.0	10	10.41	8.3	2	1.99	BILLINGS	0.1	0	0.00	0.0	0	0.00
16.6	44	14.44	20.0	6	1.96	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
26.8	61	11.89	34.1	3	0.46	BIRMINGHAM	15.6	12	4.61	16.1	0	0.00
243.9	383	8.19	426.5	97	0.91	BOSTON	5.1	3	3.05	5.7	2	1.84
48.1	65	7.04	58.0	13	1.17	BRIDGEPORT	1.4	1	3.68	1.6	1	3.24
20.1	30	7.77	25.2	7	1.45	BROCKTON	0.5	1	11.49	0.3	0	0.00
7.3	9	2.15	8.0	2	1.31	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
93.4	238	13.10	109.6	31	1.47	BUFFALO	3.9	12	16.18	3.4	1	1.45
25.4	26	5.34	28.7	4	0.73	CANTON	1.0	2	10.54	0.9	0	0.00
10.1	18	9.29	12.9	2	0.83	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
6.3	11	9.09	8.2	0	0.00	CHAMPAIGN	0.3	0	0.00	0.3	0	0.00
5.9	16	14.17	7.7	2	1.36	CHARLESTON SC	2.9	2	3.63	4.1	1	1.27
14.6	24	8.57	16.4	1	0.32	CHARLESTON WVA	1.2	2	8.60	1.3	0	0.00
10.4	16	7.99	14.1	3	1.11	CHARLOTTE	2.0	2	3.66	3.5	0	0.00
15.0	31	10.77	18.8	6	1.66	CHATTANOOGA	3.1	4	6.67	3.8	1	1.35
411.7	500	6.33	495.7	59	0.64	CHICAGO	44.3	41	4.82	48.4	4	0.43
70.7	139	9.94	93.6	18	1.00	CINCINNATI	8.1	18	11.62	8.6	3	1.81
118.2	247	10.89	140.3	40	1.49	CLEVELAND	13.0	46	18.48	16.0	9	3.36
7.9	21	13.79	10.9	1	0.49	COLORADO SPRGS	0.2	1	30.62	0.2	0	0.00
9.2	22	12.47	12.2	2	0.86	COLUMBIA	3.4	3	4.59	4.2	0	0.00
6.1	21	17.86	9.3	5	3.15	COLUMBUS GA	2.6	3	5.90	3.8	0	0.00
37.6	118	16.35	69.8	26	2.77	COLUMBUS OHIO	4.8	11	11.83	5.1	1	1.02
9.7	16	8.57	10.9	1	0.50	CORPUS CHRISTI	0.5	0	0.00	0.5	0	0.00
55.4	112	10.53	71.7	18	1.31	DALLAS	8.3	6	3.76	8.9	1	0.59
21.1	41	10.11	26.4	4	0.85	DAVENPORT	0.4	2	29.62	0.3	0	0.00
39.2	78	10.35	67.3	9	0.99	DAYTON	3.6	7	10.05	3.7	0	0.00
8.7	32	19.16	11.0	2	0.95	DECATUR	0.3	1	17.51	0.3	0	0.00
57.8	256	23.09	72.2	31	2.24	DENVER	2.0	6	15.45	2.2	1	2.40
18.8	55	15.26	24.2	10	2.16	DES MOINES	0.7	1	6.98	0.8	0	0.00
224.0	437	10.16	277.0	45	0.99	DETROIT	27.3	65	8.57	27.8	11	2.06
5.8	17	15.32	7.9	1	0.66	DUBUQUE	0.0	0	0.00	0.0	0	0.00
25.8	35	7.06	25.7	8	1.62	DULUTH	0.1	0	0.00	0.1	0	0.00
4.4	12	14.16	6.1	1	0.86	DURHAM	1.8	1	2.83	2.3	1	2.30
12.2	46	18.84	16.9	11	3.95	EL PASO	0.3	1	16.02	0.3	0	0.00
18.5	48	13.54	21.9	5	1.21	ERIE	0.3	2	36.10	0.3	0	0.00
11.2	26	11.14	11.7	5	2.22	EUGENE	0.0	0	0.00	0.0	0	0.00
14.4	30	10.84	18.3	0	0.00	EVANSVILLE	1.1	3	13.79	1.2	0	0.00
33.2	46	7.21	44.0	10	1.18	FALL RIVER	0.4	0	0.00	0.4	1	14.26
7.6	11	7.55	8.0	1	0.65	FARGO	0.0	0	0.00	0.0	0	0.00
20.6	61	15.42	22.6	5	1.16	FLINT	1.2	0	0.00	1.2	0	0.00
30.4	49	8.39	31.2	8	1.34	FT. LAUDERDALE	1.8	2	5.91	1.8	1	2.94
5.1	14	14.41	6.3	0	0.00	FORT SMITH	0.4	1	14.00	0.5	0	0.00
15.2	26	8.92	19.8	5	1.38	FORT WAYNE	0.4	0	0.00	0.5	1	11.24
31.1	69	11.57	39.6	8	1.09	FORT WORTH	3.6	5	7.32	3.9	0	0.00
23.4	81	18.03	24.8	8	1.68	FRESNO	2.2	4	9.58	1.5	1	3.56
5.3	13	12.71	6.3	3	2.48	GADSDEN	0.8	1	6.61	0.9	0	0.00
6.9	20	15.14	7.6	2	1.41	GALVESTON	1.8	2	5.95	1.8	0	0.00
30.9	46	7.42	29.9	6	1.05	GARY	4.0	6	5.22	3.8	2	2.74
25.5	30	7.98	30.8	8	1.35	GRAND RAPIDS	0.7	0	0.00	0.7	3	22.58
4.9	12	12.87	4.8	1	1.08	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
8.3	5	3.15	9.6	5	2.70	GREEN BAY	0.1	0	0.00	0.1	0	0.00
10.8	19	9.19	13.7	0	0.00	GREENSBORO	2.4	0	0.00	2.7	0	0.00
9.2	17	9.66	11.9	4	1.75	GREENVILLE	1.7	4	12.29	2.2	0	0.00
11.5	18	8.19	13.6	2	0.77	HAMILTON	0.6	0	0.00	0.6	0	0.00
24.6	50	10.59	31.3	8	1.33	HARRISBURG	1.3	6	24.51	1.4	1	3.67
49.7	89	8.91	58.9	15	1.33	HARTFORD	1.2	4	17.00	1.4	0	0.00
5.9	19	13.22	6.5	1	0.80	HONOLULU	16.4	11	3.50	13.0	4	1.61
51.7	136	13.50	61.2	18	1.53	HOUSTON	11.6	12	5.39	12.5	1	0.42
18.7	29	8.07	21.5	7	1.69	HUNTINGTON	0.7	0	0.00	0.8	0	0.00
4.2	2	2.49	6.9	0	0.00	HUNTSVILLE	1.2	0	0.00	1.6	0	0.00
40.9	167	21.25	53.2	21	2.06	INDIANAPOLIS	6.3	15	12.37	6.9	4	3.03
9.4	17	9.46	10.9	2	0.96	JACKSON MICH	0.4	2	24.74	0.3	0	0.00
5.9	19	16.69	8.1	3	1.93	JACKSON MISS	4.0	2	2.62	4.6	0	0.00
18.7	68	18.96	23.2	15	3.37	JACKSONVILLE	5.7	18	16.49	6.8	2	1.56
50.6	75	7.72	59.6	13	1.16	JERSEY CITY	1.7	3	9.06	2.0	0	0.00
23.6	29	6.41	24.8	5	1.05	JOHNSTOWN	0.3	0	0.00	0.2	0	0.00
11.0	27	12.83	13.4	7	2.72	KALAMAZOO	0.3	1	17.70	0.3	0	0.00
66.5	170	13.31	84.6	27	1.66	KANSAS CITY	8.6	12	7.29	9.2	4	2.27
7.8	7	4.69	8.2	1	0.64	KENOSHA	0.0	0	0.00	0.0	0	0.00
21.2	57	14.06	26.1	6	1.20	KNOXVILLE	1.8	2	5.71	2.2	0	0.00
5.0	12	12.60	9.6	1	0.93	LAKE CHARLES	1.4	0	0.00	1.4	1	3.60
20.9	18	4.48	26.7	6	0.78	LANCASTER	0.2	0	0.00	0.2	1	22.93
18.8	52	14.39	22.2	9	2.11	LANSING	0.3	2	30.88	0.3	0	0.00
3.5	3	4.52	4.2	6	7.38	LAREDO	0.0	0	0.00	0.0	0	0.00
6.8	16	12.34	5.6	0	0.00	LAS VEGAS	0.4	0	0.00	0.4	0	0.00
3.3	15	15.76	3.8	1	1.37	LAWTON	0.3	0	0.00	0.4	0	0.00
7.3	19	9.32	9.3	0	0.00	LEXINGTON	1.7	0	0.00	1.9	0	0.00
7.5	19	13.21	8.9	3	1.76	LIMA	0.3	0	0.00	0.3	0	0.00
11.0	22	10.43	14.6	8	2.86	LINCOLN	0.1	0	0.00	0.1	0	0.00
13.1	36	14.28	15.9	6	1.97	LITTLE ROCK	3.9	2	2.67	4.6	0	0.00
12.9	21	8.48	14.1	5	1.65	LORAIN	0.6	0	0.00	0.6	0	0.00
433.7	1038	12.47	371.7	171	1.56	LOS ANGELES	27.5	39	7.39	29.7	6	1.05

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

EMPHYSEMA WITHOUT MENTION OF BRONCHITIS (I.S.C. 527.1)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
41.5	76	9.54	54.2	12	1.15	LOUISVILLE	6.0	7	6.06	6.8	2	1.52
6.7	17	13.12	7.9	0	0.00	LUBBOCK	0.5	1	10.77	0.4	0	0.00
6.0	12	10.49	8.0	1	0.65	LYNCHBURG	1.5	1	3.41	1.8	0	0.00
6.1	28	23.76	8.3	1	0.63	MACON	2.7	4	7.74	3.9	0	0.00
14.2	23	8.42	17.4	5	1.49	MADISON	0.1	0	0.00	0.1	0	0.00
14.4	15	5.44	18.7	1	0.28	MANCHESTER	0.0	0	0.00	0.0	0	0.00
22.6	77	17.74	30.9	16	2.70	MEMPHIS	14.4	19	6.88	16.0	4	1.30
74.4	201	14.07	90.5	25	1.62	MIAMI	5.0	9	9.47	5.1	0	0.00
2.1	3	7.55	2.3	0	0.00	MIDLAND	0.2	0	0.00	0.2	0	0.00
86.0	146	8.84	100.4	20	1.04	MILWAUKEE	2.2	7	16.62	2.0	0	0.00
103.5	192	9.66	128.7	27	1.09	MINNEAPOLIS	1.6	3	10.07	1.5	2	6.92
11.3	32	14.79	13.6	7	2.68	MOBILE	4.6	3	3.37	5.8	0	0.00
4.3	5	6.02	5.1	2	2.06	MONROE	2.1	0	0.00	2.4	0	0.00
5.5	20	19.06	7.7	6	4.08	MONTGOMERY	3.5	3	4.44	5.0	0	0.00
7.2	21	15.14	8.6	1	0.60	MUNCIE	0.4	0	0.00	0.4	0	0.00
9.2	13	7.36	10.1	2	1.03	MUSKEGON	0.5	1	10.15	0.5	0	0.00
19.9	34	8.91	27.0	8	1.54	NASHVILLE	4.9	10	10.57	6.0	1	0.87
119.6	138	6.01	147.5	15	0.53	NEWARK	10.4	9	4.51	12.3	3	1.27
50.3	80	8.29	60.1	6	0.52	NEW HAVEN	1.5	4	14.08	1.6	0	0.00
38.3	71	9.67	51.2	7	0.71	NEW ORLEANS	14.1	23	8.48	17.7	7	2.06
7.5	11	7.63	9.0	2	1.29	NEWPORT NEWS	3.3	4	6.33	3.1	1	1.67
812.0	682	4.37	963.9	121	0.65	NEW YORK	81.8	57	4.80	74.8	12	0.84
19.4	53	14.26	24.2	6	1.29	NORFOLK	7.6	13	8.88	8.6	0	0.00
2.9	6	10.69	2.8	0	0.00	ODESSA	0.1	0	0.00	0.1	0	0.00
6.5	18	14.52	7.1	3	2.20	OGDEN	0.2	0	0.00	0.1	0	0.00
30.7	72	12.21	37.9	10	1.37	OKLAHOMA CITY	2.5	2	4.15	2.7	0	0.00
31.1	75	12.56	37.0	12	1.69	OMAHA	1.6	4	12.78	1.7	0	0.00
20.2	40	10.31	23.4	5	1.11	ORLANDO	2.7	4	7.77	2.7	0	0.00
85.5	101	6.15	102.4	23	1.17	PATERSON	1.8	1	2.85	2.2	2	4.69
7.8	11	7.33	8.9	3	1.75	PENSACOLA	1.6	1	3.16	2.1	0	0.00
20.8	48	12.02	24.9	10	2.09	PEORIA	0.5	2	21.78	0.5	1	9.93
281.6	563	10.41	350.7	71	1.05	PHILADELPHIA	37.2	60	8.39	41.9	9	1.12
40.2	284	36.81	42.1	39	4.82	PHOENIX	2.1	10	24.77	1.6	0	0.00
179.3	197	5.72	200.1	26	0.68	PITTSBURGH	11.9	18	7.87	11.0	0	0.00
11.7	17	7.58	15.1	4	1.38	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
14.9	33	11.52	19.7	5	1.32	PORTLAND MAINE	0.[illegible]	0	0.00	0.1	0	0.00
71.3	193	14.10	82.4	21	1.33	PORTLAND OREG.	1.[illegible]	1	3.43	1.1	1	4.71
58.5	90	8.01	74.9	13	0.90	PROVIDENCE	0.9	0	0.00	0.9	0	0.00
5.3	15	14.61	6.0	1	0.87	PROVO	0.0	0	0.00	0.0	0	0.00
8.9	25	14.66	9.7	7	3.77	PUEBLO	0.2	0	0.00	0.2	0	0.00
10.4	11	5.51	11.7	1	0.44	RACINE	0.2	1	- - -	0.1	0	0.00
6.9	13	9.82	8.9	2	1.17	RALEIGH	2.2	0	0.00	2.7	0	0.00
24.4	29	6.19	28.5	4	0.73	READING	0.3	0	0.00	0.3	0	0.00
6.1	26	22.22	5.7	6	5.49	RENO	0.2	1	27.23	0.1	0	0.00
19.6	67	17.79	28.1	13	2.41	RICHMOND	6.1	9	7.67	7.3	1	0.71
10.1	23	11.85	12.7	3	1.23	ROANOKE	1.4	1	3.74	1.6	0	0.00
47.0	86	9.53	58.6	10	0.89	ROCHESTER	0.8	1	6.33	[illegible].9	2	11.97
14.4	19	6.89	16.4	5	1.58	ROCKFORD	0.3	0	0.00	0.3	0	0.00
29.7	90	15.79	30.9	6	1.01	SACRAMENTO	2.1	0	0.00	1.4	0	0.00
11.9	21	9.20	13.6	3	1.15	SAGINAW	0.7	1	7.73	0.6	0	0.00
9.1	15	8.63	11.6	1	0.45	ST. JOSEPH	0.3	1	18.46	0.3	0	0.00
132.7	242	9.50	170.0	31	0.95	ST. LOUIS	18.3	16	4.55	20.6	2	0.51
22.0	80	18.94	26.0	5	1.00	SALT LAKE CITY	0.4	1	12.32	0.3	0	0.00
4.5	12	13.98	5.3	1	0.99	SAN ANGELO	0.2	0	0.00	0.3	0	0.00
35.3	96	16.17	44.7	14	1.63	SAN ANTONIO	2.6	3	6.04	3.2	0	0.00
60.6	189	16.25	66.8	29	2.26	SAN BERNARDINO	2.0	9	23.76	1.7	0	0.00
58.4	161	14.35	71.5	25	1.82	SAN DIEGO	1.9	1	2.75	1.8	1	2.96
189.9	540	14.81	230.6	78	1.76	SAN FRANCISCO	17.2	34	10.30	13.6	3	1.15
34.7	90	13.50	43.1	9	1.09	SAN JOSE	1.1	2	9.06	0.9	0	0.00
11.4	34	15.50	14.5	7	2.51	SANTA BARBARA	0.4	0	0.00	0.3	0	0.00
6.4	17	13.76	8.9	6	3.52	SAVANNAH	3.5	5	7.52	4.4	0	0.00
20.9	14	3.48	26.5	1	0.20	SCRANTON	0.1	0	0.00	0.1	0	0.00
81.9	186	11.83	93.8	22	1.22	SEATTLE	3.5	5	7.53	2.3	1	2.31
10.8	34	16.37	13.4	5	1.94	SHREVEPORT	6.2	3	2.52	7.5	0	0.00
9.5	22	12.05	10.8	1	0.48	SIOUX CITY	0.1	2	84.19	0.1	0	0.00
6.3	12	10.00	7.3	1	0.72	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
16.2	18	5.78	18.7	4	1.12	SOUTH BEND	0.7	0	0.00	0.7	0	0.00
23.3	64	14.33	25.6	6	1.22	SPOKANE	0.3	0	0.00	0.3	0	0.00
12.0	27	11.74	15.3	4	1.36	SPRINGFIELD I.	0.5	0	0.00	0.6	1	9.23
10.5	16	7.91	13.3	1	0.39	SPRINGFIELD MO	0.2	0	0.00	0.3	0	0.00
9.2	29	16.39	11.3	2	0.92	SPRINGFIELD O.	0.9	2	11.[illegible]0	1.0	1	4.99
40.8	66	8.42	52.7	7	0.69	SPRINGFIELD MA	0.6	1	8.69	0.7	0	0.00
12.5	23	9.56	12.3	4	1.69	STEUBENVILLE	0.5	0	0.00	0.5	0	0.00
19.5	66	17.64	18.7	5	1.39	STOCKTON	2.5	7	14.70	1.0	1	5.07
42.5	126	15.46	50.3	15	1.55	SYRACUSE	0.6	1	9.32	0.5	0	0.00
23.9	51	11.12	26.4	1	0.20	TACOMA	0.5	0	0.00	0.4	0	0.00
90.6	267	15.36	99.0	26	1.37	TAMPA	4.8	10	10.79	5.1	0	0.00
9.5	43	23.48	11.6	6	2.70	TERRE HAUTE	0.4	2	23.79	0.5	0	0.00
6.0	8	6.96	6.8	2	1.53	TEXARKANA	1.9	1	2.77	2.0	0	0.00
33.8	80	12.33	40.3	14	1.81	TOLEDO	2.3	6	13.33	2.[illegible]	1	2.17
9.6	28	15.18	12.5	6	2.51	TOPEKA	0.8	0	0.00	0.8	0	0.00
18.6	33	9.23	22.4	4	0.93	TRENTON	1.5	7	23.86	1.5	1	3.39
16.1	140	45.16	18.0	18	5.21	TUCSON	1.0	2	10.62	0.8	2	12.37
26.0	50	10.01	31.5	4	0.66	TULSA	2.7	2	3.93	2.9	0	0.00
5.3	8	7.84	6.2	1	0.85	TUSCALOOSA	1.7	3	9.11	2.0	1	2.63
4.3	12	12.97	5.7	3	2.73	TYLER	1.6	0	0.00	1.7	0	0.00
28.2	41	7.58	33.2	3	0.47	UTICA	0.2	0	0.00	0.2	0	0.00
9.8	20	10.68	11.7	0	0.00	WACO	1.8	1	2.91	2.1	0	0.00
81.7	186	11.85	113.7	29	1.33	WASHINGTON	23.4	56	12.45	27.2	21	4.02
8.2	5	3.16	9.9	1	0.53	WATERLOO	0.2	0	0.00	0.2	0	0.00
20.3	43	11.01	22.3	3	0.70	W. PALM BEACH	2.7	3	5.70	2.2	0	0.00
17.5	22	6.53	19.9	10	2.61	WHEELING	0.5	1	11.33	0.4	0	0.00
17.5	35	10.22	22.7	1	0.23	WICHITA	0.9	3	16.47	1.0	0	0.00
7.5	13	8.97	9.0	2	1.16	WICHITA FALLS	0.5	0	0.00	0.5	0	0.00
30.5	24	4.09	37.9	2	0.27	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
21.1	50	12.37	29.4	5	1.03	WILMINGTON	2.7	5	9.55	2.6	0	0.00
7.6	15	10.23	9.9	2	1.05	WINSTON-SALEM	2.5	4	8.49	3.1	1	1.68
49.9	64	6.67	62.6	10	0.83	WORCESTER	0.3	0	0.00	0.3	0	0.00
18.5	25	7.05	21.6	0	0.00	YORK	0.3	2	37.49	0.3	0	0.00
35.6	63	9.23	38.0	8	1.10	YOUNGSTOWN	2.8	8	14.93	2.5	1	2.11
7388.3	14554	10.26	8925.4	2053	1.20	TOTAL 201 SMSA	68[illegible].8	972	7.41	746.7	170	1.19

ALL AGE STANDARD RATE = 5.21

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
ULCER OF STOMACH AND DUODENUM (I.S.C. 540-541)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
9.1	17	12.29	10.9	1	0.60	ABILENE	0.4	1	17.33	0.4	0	0.00
42.8	66	10.10	48.7	21	2.82	AKRON	2.5	2	5.14	2.6	1	2.52
2.5	8	21.32	2.9	2	4.45	ALBANY GA	1.5	3	12.68	2.3	0	0.00
67.7	131	12.67	84.9	37	2.86	ALBANY NY	1.1	3	17.49	1.2	2	11.10
15.0	28	12.27	16.7	12	4.69	ALBUQUERQUE	0.4	0	0.00	0.4	0	0.00
50.1	60	7.84	59.5	35	3.86	ALLENTOWN	0.3	1	20.54	0.3	1	21.25
15.4	25	10.65	18.7	9	3.15	ALTOONA	0.1	0	0.00	0.1	0	0.00
9.3	13	9.19	10.9	5	3.02	AMARILLO	0.4	2	30.75	0.4	0	0.00
11.5	13	7.42	14.5	4	1.81	ANN ARBOR	0.8	0	0.00	0.8	0	0.00
11.5	12	6.86	13.9	6	2.92	ASHEVILLE	1.4	1	4.85	1.6	2	8.14
55.7	87	10.24	74.6	33	2.90	ATLANTA	14.2	32	14.77	19.0	10	3.45
17.1	20	7.65	21.1	8	2.48	ATLANTIC CITY	2.9	2	4.45	3.4	3	5.81
9.5	16	11.01	12.0	6	3.27	AUGUSTA	4.3	8	12.33	5.7	3	3.47
14.1	6	2.79	17.6	8	2.98	AUSTIN	2.2	1	2.99	2.9	2	4.57
21.3	51	15.65	21.4	9	2.76	BAKERSFIELD	1.8	1	3.59	1.2	0	0.00
115.8	172	9.73	146.0	64	2.87	BALTIMORE	24.4	40	10.74	26.2	14	3.51
9.1	6	4.31	11.2	1	0.58	BATON ROUGE	4.8	6	8.24	5.7	2	2.29
9.0	12	8.75	10.3	2	1.27	BAY CITY	0.1	0	0.00	0.0	0	0.00
17.8	13	4.78	19.9	2	0.66	BEAUMONT	4.3	3	4.54	4.4	2	2.97
6.4	6	6.11	6.8	7	6.78	BILLINGS	0.1	0	0.00	0.1	0	0.00
20.6	41	13.01	25.1	22	5.75	BINGHAMTON	0.1	1	43.97	0.1	0	0.00
34.2	45	8.62	43.1	13	1.98	BIRMINGHAM	16.8	19	7.42	20.3	8	2.58
302.9	540	11.68	406.8	226	3.64	BOSTON	6.6	12	11.89	7.3	4	3.59
60.6	82	8.87	73.2	34	3.05	BRIDGEPORT	1.9	2	6.87	2.2	0	0.00
25.2	36	9.35	31.7	19	3.93	BROCKTON	0.6	0	0.00	0.4	0	0.00
9.4	9	6.28	10.4	4	2.53	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
116.3	205	11.55	136.8	83	3.97	BUFFALO	5.1	21	27.01	4.8	3	4.05
31.7	48	9.93	36.1	11	2.00	CANTON	1.3	2	10.46	1.2	1	5.40
12.7	21	10.81	15.8	6	2.48	CEDAR RAPIDS	0.1	1	64.18	0.1	0	0.00
8.2	13	10.35	10.5	5	3.12	CHAMPAIGN	0.4	0	0.00	0.4	0	0.00
7.8	10	8.36	10.0	5	3.28	CHARLESTON SC	3.8	3	5.24	5.3	2	2.48
18.7	28	9.70	21.1	9	2.80	CHARLESTON WVA	1.5	1	4.47	1.6	3	12.48
13.7	24	11.45	18.3	9	3.22	CHARLOTTE	3.7	1	1.76	4.6	3	4.29
19.1	26	8.91	23.8	6	1.65	CHATTANOOGA	3.9	8	13.49	4.8	4	5.43
511.3	956	12.25	598.7	326	3.57	CHICAGO	57.6	120	13.65	63.2	46	4.77
88.3	181	13.43	117.2	66	3.69	CINCINNATI	10.2	27	17.36	11.1	10	5.92
147.3	232	10.32	175.1	84	3.14	CLEVELAND	16.8	30	11.68	18.3	4	1.44
10.4	12	7.59	13.6	6	2.90	COLORADO SPRGS	0.2	1	27.06	0.3	0	0.00
12.1	19	5.43	15.6	6	2.51	COLUMBIA	4.4	4	5.98	5.4	2	2.44
8.3	17	9.52	10.8	6	3.65	COLUMBUS GA	3.5	5	9.47	4.9	3	3.99
48.0	93	12.68	62.1	19	2.01	COLUMBUS OHIO	6.2	7	7.40	6.5	1	1.00
12.8	9	4.62	13.9	6	2.83	CORPUS CHRISTI	0.6	2	20.47	0.7	0	0.00
71.3	101	9.28	91.5	28	2.01	DALLAS	10.7	17	10.43	11.5	7	3.99
26.4	67	10.44	30.9	15	3.18	DAVENPORT	0.5	0	0.00	0.4	0	0.00
50.4	85	11.06	60.4	35	3.80	DAYTON	4.7	9	12.58	4.8	5	6.82
11.0	16	9.55	13.8	5	2.38	DECATUR	0.4	2	34.23	0.4	0	0.00
73.9	146	12.95	97.1	54	3.86	DENVER	2.6	1	2.49	2.8	1	2.31
23.5	44	12.26	30.4	12	2.59	DES MOINES	0.9	1	7.06	1.0	1	6.32
277.7	510	12.03	298.7	139	3.05	DETROIT	35.6	55	10.11	36.8	15	2.67
7.3	13	11.67	9.9	9	5.94	DUBUQUE	0.0	0	0.00	0.0	1	- - -
31.9	45	9.24	31.7	24	4.96	DULUTH	0.2	0	0.00	0.1	0	0.00
5.7	7	8.08	7.7	2	1.70	DURHAM	2.4	3	8.34	2.9	0	0.00
16.2	34	13.78	19.4	10	3.38	EL PASO	0.5	1	14.02	0.4	0	0.00
23.2	51	14.43	27.1	11	2.66	ERIE	0.4	0	0.00	0.4	1	17.76
14.3	21	9.63	14.9	3	1.32	EUGENE	0.0	0	0.00	0.0	0	0.00
18.0	29	10.53	22.9	8	2.29	EVANSVILLE	1.4	0	0.00	1.5	1	4.39
41.2	69	10.98	54.6	23	2.76	FALL RIVER	0.5	2	25.80	0.5	0	0.00
9.5	9	6.24	10.0	3	1.96	FARGO	0.0	0	0.00	0.0	0	0.00
26.2	48	12.02	28.7	16	3.65	FLINT	1.6	0	0.00	1.7	1	3.93
35.6	38	7.00	37.1	12	2.12	FT. LAUDERDALE	2.4	5	13.43	2.5	1	2.67
6.4	16	15.45	9.0	3	2.47	FORT SMITH	0.5	0	0.00	0.6	1	11.55
19.1	34	11.65	23.7	3	0.83	FORT WAYNE	0.6	1	11.26	0.6	0	0.00
40.0	64	10.48	49.0	16	2.14	FORT WORTH	4.5	11	16.03	5.0	3	3.93
29.6	45	9.95	31.5	15	3.12	FRESNO	2.8	7	16.52	1.9	1	3.53
6.8	13	12.47	8.0	5	4.07	GADSDEN	1.0	3	19.50	1.2	0	0.00
8.8	16	10.42	9.5	3	2.06	GALVESTON	2.2	3	8.92	2.3	1	2.89
39.2	67	11.21	38.3	22	3.76	GARY	5.2	8	10.15	5.0	3	3.91
31.8	52	10.72	38.8	21	3.55	GRAND RAPIDS	0.9	3	21.67	0.9	1	7.06
6.2	6	6.36	6.1	3	3.26	GREAT FALLS	0.1	0	0.00	0.1	1	112.03
10.4	15	9.42	12.1	7	3.78	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.9	15	7.05	17.6	7	2.60	GREENSBORO	3.0	5	10.75	3.5	0	0.00
12.0	28	15.34	15.3	7	3.00	GREENVILLE	2.2	3	8.98	2.8	4	9.44
14.7	21	9.34	17.4	10	3.77	HAMILTON	0.7	0	0.00	0.7	0	0.00
31.0	63	9.10	39.5	11	1.83	HARRISBURG	1.6	2	8.10	1.8	2	7.17
62.3	93	9.79	74.1	31	2.74	HARTFORD	1.7	1	3.90	1.8	0	0.00
8.4	18	14.09	8.8	8	5.95	HONOLULU	21.8	18	5.41	17.4	6	2.27
68.0	76	7.33	79.8	26	2.14	HOUSTON	15.2	22	9.51	16.5	6	2.38
23.6	20	5.55	27.2	18	4.34	HUNTINGTON	0.9	2	14.57	0.9	1	6.95
5.6	9	10.44	6.5	0	0.00	HUNTSVILLE	1.5	2	8.91	1.7	0	0.00
51.9	92	11.62	67.0	37	3.62	INDIANAPOLIS	8.0	13	10.66	8.8	5	3.72
11.8	25	13.86	13.7	7	3.36	JACKSON MICH	0.6	0	0.00	0.4	1	18.30
7.8	13	10.93	10.5	3	1.87	JACKSON MISS	5.0	5	6.52	5.9	4	4.41
24.3	42	11.32	30.0	14	3.06	JACKSONVILLE	7.3	11	9.88	8.7	5	3.78
61.8	114	12.09	72.9	41	3.69	JERSEY CITY	2.3	6	17.40	2.6	3	7.61
29.4	40	8.92	31.0	9	1.90	JOHNSTOWN	0.3	3	63.99	0.3	1	22.87
13.9	26	12.26	16.9	8	3.09	KALAMAZOO	0.4	0	0.00	0.4	0	0.00
84.1	120	9.35	107.0	45	2.75	KANSAS CITY	10.6	14	8.61	11.5	10	5.69
9.6	16	10.96	10.2	4	2.58	KENOSHA	0.0	0	0.00	0.0	0	0.00
27.2	26	6.26	33.3	11	2.17	KNOXVILLE	2.3	2	5.70	2.8	1	2.35
6.7	6	5.89	7.4	1	0.88	LAKE CHARLES	1.9	2	7.08	1.9	1	3.48
26.5	34	8.41	33.9	13	2.52	LANCASTER	0.3	0	0.00	0.3	0	0.00
23.9	38	10.43	28.3	11	2.55	LANSING	0.4	0	0.00	0.4	0	0.00
4.3	6	9.04	5.4	3	3.66	LAREDO	0.0	0	0.00	0.0	0	0.00
8.8	17	12.70	7.5	6	5.19	LAS VEGAS	0.6	2	22.62	0.5	0	0.00
4.5	5	7.28	5.0	1	1.31	LAWTON	0.5	3	41.46	0.5	0	0.00
9.3	15	10.57	11.8	2	1.11	LEXINGTON	2.1	1	3.16	2.3	3	8.51
9.5	9	6.24	11.1	3	1.77	LIMA	0.5	0	0.00	0.4	0	0.00
13.9	31	14.65	18.3	9	3.22	LINCOLN	0.2	0	0.00	0.2	0	0.00
16.7	22	8.65	20.2	10	3.25	LITTLE ROCK	4.8	3	4.09	5.5	1	1.20
16.6	22	8.70	18.0	5	1.82	LORAIN	0.8	0	0.00	0.8	0	0.00
550.9	907	10.79	720.5	364	3.31	LOS ANGELES	36.8	50	8.89	39.3	14	2.33

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100.000

ULCER OF STOMACH AND DUODENUM (I.S.C. 540-541)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
52.9	74	9.17	68.9	23	2.10	LOUISVILLE	7.5	11	9.62	8.6	5	3.41
8.9	19	14.03	10.3	5	3.18	LUBBOCK	0.6	0	0.00	0.6	0	0.00
7.6	10	8.60	10.1	1	0.65	LYNCHBURG	1.9	4	13.60	2.2	3	8.75
8.1	8	6.47	10.7	5	3.05	MACON	3.4	6	11.47	4.9	2	2.66
19.0	26	8.74	22.0	10	2.98	MADISON	0.1	0	0.00	0.1	0	0.00
17.8	31	11.43	23.2	7	1.98	MANCHESTER	0.0	1	229.23	0.0	0	0.00
29.2	34	8.09	39.6	11	1.82	MEMPHIS	18.0	26	8.74	20.3	5	1.61
90.7	131	9.46	98.4	56	3.73	MIAMI	6.8	11	10.63	7.1	8	7.63
2.9	3	6.69	3.2	1	2.03	MIDLAND	0.3	2	42.93	0.3	0	0.00
106.6	183	11.24	125.3	54	2.82	MILWAUKEE	3.0	6	13.08	2.8	3	7.00
128.9	207	10.52	160.6	74	3.02	MINNEAPOLIS	2.0	5	16.41	1.9	2	6.74
14.7	19	8.45	17.7	11	4.07	MOBILE	6.0	7	7.62	7.5	1	0.87
5.5	4	4.74	4.4	2	2.04	MONROE	2.7	2	4.89	5.1	1	2.14
7.2	9	8.22	9.9	8	5.31	MONTGOMERY	4.4	7	10.35	6.3	6	6.26
9.2	14	9.96	11.0	4	2.30	MUNCIE	0.5	0	0.00	0.5	0	0.00
11.6	18	10.14	12.8	7	3.59	MUSKEGON	0.7	2	18.80	0.6	0	0.00
25.6	36	9.21	34.5	21	3.99	NASHVILLE	6.2	9	9.48	7.6	6	5.18
148.8	247	10.87	186.6	90	3.20	NEWARK	13.7	27	12.96	16.3	7	2.82
62.9	85	8.94	75.6	33	2.87	NEW HAVEN	2.0	1	3.31	2.1	2	6.21
48.5	68	9.19	44.7	33	3.34	NEW ORLEANS	17.8	30	11.01	22.5	10	2.91
10.1	14	9.11	10.7	4	2.65	NEWPORT NEWS	4.2	4	6.20	4.1	1	1.60
994.8	1856	12.21	1187.2	643	3.66	NEW YORK	80.7	180	14.61	98.8	52	3.45
25.6	32	8.29	31.4	19	3.97	NORFOLK	9.9	21	13.89	11.2	6	3.53
4.1	3	4.75	4.0	2	3.24	ODESSA	0.2	0	0.00	0.2	0	0.00
8.2	15	11.98	9.0	2	1.45	OGDEN	0.2	0	0.00	0.2	0	0.00
39.1	51	8.55	48.1	21	2.86	OKLAHOMA CITY	3.3	3	6.03	3.5	2	3.71
38.8	73	13.53	46.3	18	2.55	OMAHA	2.0	5	15.99	2.2	1	2.93
25.3	30	7.77	29.2	11	2.47	ORLANDO	3.5	9	16.90	3.5	3	5.60
108.0	152	9.22	129.0	49	2.49	PATERSON	2.4	5	13.37	3.0	4	8.83
10.3	10	6.37	11.7	2	1.12	PENSACOLA	2.2	6	18.08	2.7	1	2.44
26.2	49	12.24	31.6	12	2.50	PEORIA	0.6	0	0.00	0.7	0	0.00
351.5	525	9.79	437.8	178	2.66	PHILADELPHIA	47.6	64	8.81	54.3	33	3.98
50.8	89	11.48	53.4	21	2.58	PHOENIX	2.7	4	9.85	2.1	0	0.00
224.1	290	8.48	251.7	103	2.68	PITTSBURGH	14.6	16	7.18	13.9	3	1.41
14.6	20	8.98	19.0	7	2.42	PITTSFIELD	0.1	0	0.00	0.2	0	0.00
18.7	33	11.57	24.8	14	3.70	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
88.4	136	10.09	102.9	54	3.44	PORTLAND OREG.	2.0	5	16.59	1.5	0	0.00
72.6	128	11.55	93.1	40	2.81	PROVIDENCE	1.1	3	17.94	1.1	0	0.00
6.9	8	7.60	7.7	5	4.26	PROVO	0.0	0	0.00	0.0	0	0.00
11.2	18	10.49	12.6	8	4.24	PUEBLO	0.3	1	22.12	0.3	1	21.81
12.9	17	8.62	14.6	8	3.58	RACINE	0.2	0	0.00	0.2	0	0.00
9.0	10	7.32	11.3	5	2.89	RALEIGH	2.8	3	6.91	3.5	1	1.89
30.3	22	4.76	35.4	10	1.85	READING	0.3	0	0.00	0.4	1	18.55
7.7	14	11.88	7.4	5	4.45	RENO	0.3	0	0.00	0.2	0	0.00
25.1	35	9.12	35.5	15	2.77	RICHMOND	7.8	16	11.73	9.3	3	2.11
12.7	19	9.80	14.0	7	2.87	ROANOKE	1.7	1	3.81	2.0	1	3.33
58.3	96	10.79	73.2	50	4.47	ROCHESTER	1.1	1	5.79	1.2	0	0.00
18.0	37	13.46	20.7	7	2.21	ROCKFORD	0.4	1	15.57	0.5	1	14.26
38.2	91	15.62	39.9	24	3.94	SACRAMENTO	2.8	7	16.34	1.9	0	0.00
15.0	25	10.91	17.2	7	2.67	SAGINAW	0.9	1	7.17	0.9	0	0.00
11.2	23	13.51	14.3	3	1.37	ST. JOSEPH	0.3	0	0.00	0.4	0	0.00
166.2	230	9.42	212.8	83	2.56	ST. LOUIS	22.9	31	8.86	26.3	[illegible]	1.99
28.0	49	11.45	33.1	16	3.16	SALT LAKE CITY	0.5	1	12.29	0.3	0	0.00
5.6	7	8.18	6.6	2	1.98	SAN ANGELO	0.3	1	23.04	0.3	0	0.00
45.1	56	8.14	56.9	23	2.65	SAN ANTONIO	3.3	3	6.00	4.2	0	0.00
75.6	128	11.18	83.3	45	3.54	SAN BERNARDINO	2.6	3	7.65	2.3	1	2.85
75.3	143	12.44	91.1	52	3.74	SAN DIEGO	2.6	4	10.07	2.4	2	5.40
238.4	427	13.74	290.0	173	3.91	SAN FRANCISCO	22.8	41	11.81	18.6	16	5.65
45.3	58	8.38	55.8	40	4.70	SAN JOSE	1.5	1	4.28	1.1	0	0.00
14.5	20	9.05	18.2	1	0.36	SANTA BARBARA	0.5	4	48.77	0.4	0	0.00
8.4	19	14.84	11.3	3	1.74	SAVANNAH	4.4	9	13.52	5.6	3	3.68
25.6	49	12.53	32.4	10	2.02	SCRANTON	0.1	0	0.00	0.1	0	0.00
103.4	174	11.02	118.1	53	2.94	SEATTLE	4.5	7	10.15	3.0	2	4.37
14.0	11	5.18	17.2	5	1.91	SHREVEPORT	7.7	2	1.70	9.4	2	1.40
11.7	16	8.96	13.4	6	2.96	SIOUX CITY	0.2	0	0.00	0.2	0	0.00
7.8	12	10.06	9.0	4	2.91	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
20.4	36	11.57	23.5	12	3.35	SOUTH BEND	0.9	2	14.10	0.9	0	0.00
29.3	45	10.06	32.2	18	3.66	SPOKANE	0.4	1	14.98	0.3	0	0.00
14.9	25	10.97	19.1	8	2.75	SPRINGFIELD I.	0.6	1	10.69	0.7	0	0.00
13.2	10	4.96	16.7	6	2.35	SPRINGFIELD MO	0.3	0	0.00	0.3	0	0.00
11.7	17	9.59	14.3	7	3.20	SPRINGFIELD O.	1.1	1	6.02	1.3	1	4.96
50.8	94	12.12	65.5	27	2.70	SPRINGFIELD MA	0.8	0	0.00	0.9	1	6.98
15.7	25	10.43	15.7	5	2.08	STEUBENVILLE	0.6	1	10.38	0.6	1	10.99
24.3	48	12.96	23.5	11	3.07	STOCKTON	3.1	4	8.49	1.3	0	0.00
53.0	88	10.88	63.3	44	4.55	SYRACUSE	0.8	1	8.70	0.7	0	0.00
30.1	39	8.50	33.2	16	3.16	TACOMA	0.7	1	9.65	0.5	0	0.00
107.1	142	8.60	117.5	42	2.36	TAMPA	6.2	9	9.53	6.7	5	4.92
11.8	23	12.79	14.6	12	5.48	TERRE HAUTE	0.5	0	0.00	0.6	0	0.00
7.4	9	7.92	8.5	2	1.54	TEXARKANA	2.3	2	5.70	2.5	1	2.61
41.7	70	10.99	50.2	26	3.40	TOLEDO	3.0	8	17.49	3.1	1	2.10
12.1	12	6.49	15.7	9	3.76	TOPEKA	0.9	3	20.71	1.0	1	6.30
23.2	37	10.63	27.9	9	2.11	TRENTON	2.0	2	6.42	2.1	0	0.00
20.1	39	12.70	22.6	7	2.03	TUCSON	1.2	3	15.85	1.1	0	0.00
33.0	48	9.52	39.8	13	2.16	TULSA	3.3	3	9.99	3.7	0	0.00
6.7	6	5.84	7.8	2	1.69	TUSCALOOSA	2.2	2	5.99	2.5	0	0.00
6.0	9	9.76	7.2	5	4.55	TYLER	2.0	1	3.31	2.2	0	0.00
35.1	56	10.44	41.6	14	2.20	UTICA	0.3	1	22.38	0.3	0	0.00
12.2	13	7.00	14.6	3	1.34	WACO	2.2	8	23.75	2.6	0	0.00
107.3	182	11.11	147.1	74	3.30	WASHINGTON	31.2	64	13.42	36.2	25	4.92
10.4	7	4.40	12.5	4	2.09	WATERLOO	0.3	2	44.46	0.3	0	0.00
24.2	26	7.04	26.7	7	1.72	W. PALM BEACH	3.6	4	7.26	2.9	2	4.56
21.8	29	[illegible]	25.0	9	2.36	WHEELING	0.6	1	[illegible]	0.5	0	0.00
23.3	40	11.23	29.2	13	2.92	WICHITA	1.2	1	5.25	1.3	0	0.00
9.6	10	6.81	11.3	6	3.48	WICHITA FALLS	0.6	1	10.51	0.7	0	0.00
37.4	76	13.33	46.7	19	2.67	WILKES-BARRE	0.1	0	0.00	0.1	1	59.60
26.9	51	12.41	32.3	18	3.69	WILMINGTON	3.5	3	5.66	3.4	3	5.86
9.9	16	9.26	12.7	7	3.61	WINSTON-SALEM	3.1	9	19.26	3.9	3	9.00
62.1	88	9.29	78.2	38	3.18	WORCESTER	0.3	0	0.00	0.3	1	19.74
23.2	29	8.19	27.2	16	3.86	YORK	0.3	0	0.00	0.4	0	0.00
44.5	57	8.39	47.9	26	3.56	YOUNGSTOWN	3.5	1	1.88	3.2	1	2.07
9263.3	14034	10.63	11201.6	5356	3.13	TOTAL 201 SMSA	882.3	1433	10.64	970.7	505	3.41

ALL AGE STANDARD RATE = 6.55

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CIRRHOSIS OF LIVER (I.S.C. 581)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
19.5	12	8.42	21.4	3	1.92	ABILENE	0.8	0	0.00	0.9	0	0.00
94.4	100	14.50	101.0	41	5.56	AKRON	6.4	4	8.51	6.4	3	6.39
6.5	8	16.74	6.9	5	9.92	ALBANY GA	3.3	4	16.64	4.6	2	5.96
138.5	200	19.78	158.6	101	8.72	ALBANY NY	2.7	3	15.17	2.7	4	20.00
37.2	43	15.82	39.4	29	10.08	ALBUQUERQUE	1.0	0	0.00	0.9	2	29.17
105.2	103	13.41	115.7	45	5.33	ALLENTOWN	0.7	3	55.65	0.7	0	0.00
[illegible]	22	10.10	34.2	12	4.80	ALTOONA	0.2	1	62.33	0.3	0	0.00
22.4	23	14.08	23.8	12	6.90	AMARILLO	1.1	0	0.00	1.1	1	12.14
25.4	18	9.70	29.0	5	2.45	ANN ARBOR	2.1	1	6.50	1.9	0	0.00
23.6	13	7.56	26.9	10	5.09	ASHEVILLE	2.9	1	4.77	3.4	3	12.27
133.3	133	13.67	155.7	65	5.72	ATLANTA	33.7	26	10.57	42.9	32	10.23
32.3	33	13.98	38.0	26	9.37	ATLANTIC CITY	5.8	9	21.25	4.7	8	16.29
23.7	23	13.29	26.0	9	4.75	AUGUSTA	9.3	5	7.40	11.8	0	0.00
30.6	25	11.18	34.6	9	3.56	AUSTIN	4.4	3	9.28	5.6	1	2.45
49.0	85	23.74	47.5	55	15.96	BAKERSFIELD	4.1	4	13.22	2.9	4	18.81
264.7	380	19.66	294.3	178	8.29	BALTIMORE	60.6	100	22.60	62.3	61	13.42
23.8	21	12.09	25.8	10	5.31	BATON ROUGE	10.2	9	12.08	12.1	8	9.09
19.3	30	21.27	20.4	12	8.06	BAY CITY	0.1	1	121.40	0.1	0	0.00
43.6	32	10.05	44.9	13	3.96	BEAUMONT	10.0	12	16.39	10.5	3	3.93
13.9	10	9.86	14.1	8	7.75	BILLINGS	0.1	0	0.00	0.1	1	117.60
43.5	44	13.67	48.3	25	7.37	BINGHAMTON	0.3	1	42.94	0.3	0	0.00
77.3	59	10.45	89.0	32	4.93	BIRMINGHAM	36.7	15	5.60	43.4	13	4.10
617.5	1040	23.07	747.6	569	10.43	BOSTON	14.8	28	25.93	15.5	15	13.30
132.3	178	18.43	146.1	119	11.16	BRIDGEPORT	5.0	11	30.36	5.7	10	24.24
49.9	61	16.76	54.0	29	7.09	BROCKTON	1.0	3	41.78	0.9	1	18.21
20.8	25	16.43	22.3	8	4.91	BROWNSVILLE	0.2	1	63.83	0.2	0	0.00
251.0	350	19.10	273.7	141	7.06	BUFFALO	13.5	24	24.39	12.7	12	12.91
65.2	54	11.35	69.4	25	4.93	CANTON	3.0	2	9.19	2.9	3	13.93
25.6	25	13.36	28.6	13	6.22	CEDAR RAPIDS	0.2	0	0.00	0.2	0	0.00
17.7	7	5.42	19.9	8	5.50	CHAMPAIGN	1.0	0	0.00	1.0	0	0.00
20.0	25	17.11	22.2	18	11.12	CHARLESTON SC	9.5	13	18.82	12.0	5	5.71
42.7	40	12.82	45.9	20	5.96	CHARLESTON WVA	2.9	3	14.06	3.3	1	4.17
34.0	25	10.08	39.7	22	7.60	CHARLOTTE	9.2	10	14.94	10.9	5	6.31
42.5	40	12.89	49.2	16	4.46	CHATTANOOGA	8.7	12	19.84	10.6	13	16.74
1131.4	1864	22.57	1227.0	832	9.29	CHICAGO	143.4	191	18.25	151.4	126	11.40
195.0	281	20.81	219.5	114	7.12	CINCINNATI	22.9	32	19.13	25.2	20	10.89
320.6	602	25.72	355.2	276	10.65	CLEVELAND	42.1	72	23.40	43.9	67	20.89
22.4	16	9.80	25.8	11	5.84	COLORADO SPRGS	0.6	0	0.00	0.7	0	0.00
29.0	24	11.33	32.9	18	7.49	COLUMBIA	10.2	6	8.08	11.7	0	0.00
21.3	17	10.95	24.0	9	5.14	COLUMBUS GA	8.2	2	3.34	10.9	1	1.26
105.1	111	14.47	120.8	77	8.73	COLUMBUS OHIO	14.0	18	17.55	14.4	15	14.27
31.4	25	10.91	32.6	11	4.62	CORPUS CHRISTI	1.7	2	16.31	1.8	1	7.46
165.6	131	10.84	189.4	99	7.16	DALLAS	24.1	23	13.07	26.2	15	7.83
54.3	41	10.34	58.4	15	3.52	DAVENPORT	1.0	1	13.39	1.0	0	0.00
112.1	133	16.26	122.0	56	6.29	DAYTON	11.2	14	17.11	11.4	8	9.65
22.2	19	11.12	25.5	12	6.45	DECATUR	0.9	1	15.93	0.9	0	0.00
159.0	209	18.00	178.5	138	10.59	DENVER	6.0	7	16.11	6.2	9	19.94
48.5	49	13.83	56.9	20	4.81	DES MOINES	1.9	2	14.59	2.1	1	6.57
635.6	934	20.13	669.1	417	8.80	DETROIT	93.4	95	13.93	93.8	69	10.08
14.2	20	19.29	16.9	4	3.24	DUBUQUE	0.0	0	0.00	0.0	0	0.00
60.7	72	16.25	60.9	28	6.30	DULUTH	0.3	0	0.00	0.3	2	104.78
13.4	20	20.49	16.0	5	4.27	DURHAM	5.6	1	2.44	6.9	7	14.11
39.5	53	18.30	43.6	30	9.43	EL PASO	1.2	1	11.55	1.0	0	0.00
48.3	55	15.60	52.6	22	5.73	ERIE	1.0	0	0.00	0.9	1	14.84
30.6	16	7.16	30.6	6	2.69	EUGENE	0.1	0	0.00	0.1	0	0.00
37.2	47	17.31	43.3	16	5.06	EVANSVILLE	2.7	5	25.81	3.0	0	0.00
84.2	95	15.46	100.9	47	6.38	FALL RIVER	0.9	1	14.49	0.9	2	30.57
19.3	12	8.51	19.7	5	3.47	FARGO	0.0	0	0.00	0.0	0	0.00
59.7	49	11.23	61.3	22	4.91	FLINT	4.6	4	11.79	4.4	1	3.13
70.3	65	12.67	76.5	44	7.87	FT. LAUDERDALE	6.7	5	10.22	5.5	7	14.65
12.7	14	15.09	14.8	5	4.61	FORT SMITH	0.8	1	16.46	1.1	0	0.00
41.1	38	14.67	46.3	17	5.03	FORT WAYNE	1.5	1	9.25	1.5	2	18.03
91.3	68	10.20	101.0	56	7.59	FORT WORTH	10.0	4	5.48	11.0	4	4.97
62.7	85	18.56	64.0	44	9.42	FRESNO	5.5	9	22.24	4.3	7	22.42
15.3	17	15.24	16.9	4	3.25	GADSDEN	2.3	2	11.91	2.7	1	5.15
21.0	23	15.02	21.2	18	11.60	GALVESTON	5.2	2	5.24	5.4	1	2.55
91.2	123	18.49	86.0	51	9.13	GARY	13.0	12	12.64	12.7	11	11.90
65.4	54	11.31	72.8	36	6.78	GRAND RAPIDS	2.2	1	6.36	2.2	2	12.47
12.9	11	11.66	12.4	3	3.31	GREAT FALLS	0.2	0	0.00	0.1	0	0.00
21.9	22	13.74	23.8	11	6.33	GREEN BAY	0.2	0	0.00	0.2	0	0.00
33.2	27	11.13	38.2	13	4.66	GREENSBORO	7.5	3	5.48	8.3	4	6.59
28.6	21	10.05	33.0	6	2.49	GREENVILLE	5.1	2	5.38	6.2	4	8.80
32.4	28	11.83	34.9	15	5.89	HAMILTON	1.6	3	25.67	1.7	1	7.91
65.2	56	11.76	75.1	23	4.19	HARRISBURG	3.6	4	15.02	4.0	1	3.40
135.9	209	21.07	148.5	110	10.15	HARTFORD	4.5	6	18.35	4.5	7	21.23
23.6	32	18.59	21.8	24	15.11	HONOLULU	53.4	31	7.95	42.6	13	4.18
171.0	236	18.91	181.4	144	10.87	HOUSTON	37.3	41	15.07	39.3	38	13.25
47.9	31	8.86	53.2	15	3.87	HUNTINGTON	1.7	2	16.39	1.9	2	14.74
14.1	9	8.71	14.7	3	2.80	HUNTSVILLE	3.0	3	13.55	3.5	3	11.68
113.4	138	16.66	131.7	70	7.28	INDIANAPOLIS	17.4	19	14.97	19.2	9	6.41
24.7	24	13.30	25.4	6	3.23	JACKSON MICH	1.7	0	0.00	0.8	1	16.83
18.7	10	7.24	22.1	7	4.34	JACKSON MISS	10.5	5	6.53	12.3	5	5.55
58.4	78	18.31	64.4	48	10.21	JACKSONVILLE	17.1	16	12.79	19.9	20	13.78
132.5	293	30.28	147.9	136	12.59	JERSEY CITY	5.8	6	14.20	6.4	8	17.09
58.4	48	14.26	60.7	24	5.42	JOHNSTOWN	0.7	0	0.00	0.7	1	21.00
29.3	21	9.80	32.6	16	6.72	KALAMAZOO	0.9	2	31.98	0.8	2	32.31
179.0	199	15.23	205.7	118	7.86	KANSAS CITY	21.8	18	11.30	23.6	12	6.96
20.0	31	21.27	20.5	10	6.69	KENOSHA	0.1	0	0.00	0.1	0	0.00
61.6	34	7.56	69.7	16	3.14	KNOXVILLE	5.0	1	2.73	5.9	1	2.31
17.0	9	7.26	17.1	6	4.80	LAKE CHARLES	4.1	1	3.35	4.2	1	3.26
53.2	31	7.98	61.3	13	2.90	LANCASTER	0.6	1	21.42	0.6	0	0.00
50.4	36	9.25	54.8	19	4.75	LANSING	1.1	2	23.84	1.0	0	0.00
9.4	5	7.32	11.2	3	3.67	LAREDO	0.0	0	0.00	0.0	0	0.00
23.0	41	24.37	19.7	20	13.91	LAS VEGAS	1.6	1	8.49	1.4	0	0.00
10.7	12	15.43	10.7	3	3.86	LAWTON	1.2	0	0.00	1.1	2	24.00
20.1	15	10.21	22.6	7	4.24	LEXINGTON	4.1	2	6.70	4.5	5	15.20
19.1	16	11.49	20.8	10	6.60	LIMA	1.2	1	11.56	1.0	1	14.27
27.4	22	11.00	32.3	9	3.82	LINCOLN	0.5	1	30.33	0.4	0	0.00
36.4	32	12.03	40.4	18	6.11	LITTLE ROCK	9.1	6	8.99	10.7	6	5.11
36.7	48	17.93	37.0	14	5.18	LORAIN	1.9	3	21.71	1.7	0	0.00
1209.6	2062	23.35	1391.0	1186	11.68	LOS ANGELES	93.0	165	21.35	96.0	92	13.13

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CIRRHOSIS OF LIVER (I.S.C. 581)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
116.2	183	21.57	134.2	89	9.09	LOUISVILLE	15.8	14	12.11	17.6	12	9.31
21.3	13	8.36	22.6	8	4.84	LUBBOCK	1.6	0	0.00	1.5	1	9.05
16.2	18	15.20	19.3	5	3.55	LYNCHBURG	3.9	4	13.96	4.5	2	6.14
20.0	15	10.26	23.0	9	5.36	MACON	7.8	2	3.50	10.4	2	2.64
37.6	36	13.11	41.9	18	5.90	MADISON	0.3	0	0.00	0.3	0	0.00
36.3	39	14.71	43.1	19	6.04	MANCHESTER	0.1	0	0.00	0.0	0	0.00
67.9	58	11.71	80.5	26	4.43	MEMPHIS	37.2	19	7.00	42.4	13	4.20
187.0	250	18.32	202.2	178	12.06	MIAMI	18.9	23	16.64	19.4	23	16.27
8.6	2	3.20	8.5	0	0.00	MIDLAND	0.9	1	15.98	0.9	0	0.00
230.7	329	19.54	250.7	135	7.38	MILWAUKEE	8.0	8	13.62	7.5	4	7.28
268.6	297	15.15	307.8	155	6.90	MINNEAPOLIS	4.5	6	18.20	4.2	8	26.25
35.6	35	13.47	38.5	21	7.47	MOBILE	14.3	16	15.32	16.8	19	15.51
12.2	11	12.39	13.4	5	5.12	MONROE	5.2	6	15.95	6.2	1	2.21
17.3	15	11.85	20.3	7	4.72	MONTGOMERY	9.3	11	16.12	12.3	1	1.11
19.2	17	12.10	21.0	4	2.61	MUNCIE	1.1	0	0.00	1.1	0	0.00
25.4	19	10.27	26.2	9	4.70	MUSKEGON	1.9	3	21.70	1.7	0	0.00
57.4	38	9.07	68.5	22	4.40	NASHVILLE	13.4	12	12.26	16.0	5	4.27
376.8	453	18.99	367.7	232	8.64	NEWARK	34.8	62	24.37	39.6	41	16.17
131.9	162	16.83	146.9	95	8.86	NEW HAVEN	4.7	2	5.84	5.1	5	13.47
114.0	181	21.74	132.7	82	8.47	NEW ORLEANS	41.5	51	16.85	48.9	40	11.21
25.7	26	13.84	24.8	11	6.07	NEWPORT NEWS	10.2	13	17.54	9.7	3	4.24
2149.9	3953	25.19	2429.7	1893	10.67	NEW YORK	208.9	889	58.23	249.3	438	24.07
63.7	78	16.76	68.7	36	7.18	NORFOLK	23.7	19	10.99	25.9	15	7.93
12.4	7	7.72	11.3	3	3.62	ODESSA	0.6	0	0.00	0.6	0	0.00
16.0	13	9.88	19.6	8	5.88	OGDEN	0.5	0	0.00	0.4	1	36.03
85.5	53	8.49	96.5	28	3.98	OKLAHOMA CITY	7.2	6	11.45	7.9	7	12.06
81.1	104	17.57	89.6	42	6.42	OMAHA	4.3	14	44.60	4.6	3	9.03
50.4	52	14.14	55.6	26	6.41	ORLANDO	8.3	5	8.26	8.3	5	8.30
245.1	299	16.71	269.5	168	8.57	PATERSON	6.4	11	23.45	7.5	14	25.56
24.6	22	12.23	26.0	10	5.27	PENSACOLA	5.0	4	11.03	6.1	5	11.31
55.7	57	12.78	60.3	21	4.77	PEORIA	1.5	2	13.70	1.5	1	8.88
761.1	925	16.65	861.6	519	8.25	PHILADELPHIA	113.9	102	12.27	126.6	80	8.65
113.5	136	16.42	116.5	72	8.47	PHOENIX	5.8	19	42.51	5.0	15	41.01
473.4	687	19.89	510.1	224	6.02	PITTSBURGH	32.2	34	14.45	31.5	21	9.13
29.4	29	13.50	34.6	27	10.77	PITTSFIELD	0.3	0	0.00	0.3	0	0.00
36.7	21	7.84	43.7	16	5.01	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
175.2	162	12.67	191.1	103	7.38	PORTLAND OREG.	4.6	8	23.83	3.7	11	40.40
150.3	226	20.60	176.8	93	7.21	PROVIDENCE	2.2	4	24.43	2.3	2	11.76
15.3	8	7.16	15.9	4	3.45	PROVO	0.1	0	0.00	0.0	0	0.00
22.5	18	10.94	23.2	7	4.14	PUEBLO	0.5	1	26.13	0.5	1	26.23
26.7	20	10.25	29.5	9	4.33	RACINE	0.6	0	0.00	0.5	0	0.00
21.1	26	15.59	24.1	13	7.39	RALEIGH	6.5	5	10.57	7.5	2	3.66
62.2	49	10.80	68.6	27	5.40	READING	0.8	1	17.07	0.8	1	16.59
17.4	39	30.77	16.3	16	13.47	RENO	0.6	1	22.59	0.5	2	59.39
57.3	57	13.62	60.9	32	6.27	RICHMOND	18.1	12	9.08	20.9	12	7.88
27.6	27	13.40	31.5	18	7.83	ROANOKE	3.9	10	35.09	4.2	1	3.23
118.6	117	13.51	135.1	56	5.63	ROCHESTER	3.1	4	17.77	3.0	0	0.00
38.4	29	10.34	40.9	7	2.35	ROCKFORD	1.1	1	12.54	1.1	1	11.05
86.6	216	34.17	84.5	82	13.29	SACRAMENTO	6.7	16	32.79	4.9	8	22.93
31.9	28	12.03	33.6	15	6.11	SAGINAW	2.6	1	5.25	2.3	2	12.01
20.4	26	17.46	24.3	6	3.39	ST. JOSEPH	0.6	3	68.22	0.7	1	19.25
355.7	489	18.83	410.2	198	6.61	ST. LOUIS	50.2	61	16.64	57.2	52	12.44
61.1	60	13.44	66.2	29	6.00	SALT LAKE CITY	1.0	1	13.42	0.8	0	0.00
11.6	10	11.83	13.0	4	4.22	SAN ANGELO	0.6	0	0.00	0.7	0	0.00
100.7	149	20.27	116.1	85	10.03	SAN ANTONIO	7.5	6	10.90	9.0	7	10.66
151.6	187	16.90	159.8	129	11.06	SAN BERNARDINO	6.1	15	33.60	5.1	10	26.79
166.2	231	19.04	182.1	169	12.71	SAN DIEGO	6.9	17	33.67	6.3	8	17.44
516.0	1304	34.62	56[illegible].6	799	19.25	SAN FRANCISCO	60.0	146	33.31	50.0	76	20.81
102.6	117	15.62	112.6	85	10.34	SAN JOSE	3.6	2	7.55	2.8	1	4.97
30.5	37	16.64	34.1	26	10.43	SANTA BARBARA	1.3	4	41.56	0.8	0	0.00
20.3	15	10.14	23.6	12	6.95	SAVANNAH	10.2	7	9.43	12.5	9	9.85
53.1	88	22.71	63.3	36	7.80	SCRANTON	0.2	1	76.32	0.2	0	0.00
212.9	230	14.80	226.8	138	9.33	SEATTLE	10.3	8	10.63	7.4	13	24.15
32.0	26	11.12	36.1	18	6.83	SHREVEPORT	14.9	9	8.29	19.1	4	3.02
22.1	25	15.51	24.5	7	3.92	SIOUX CITY	0.3	1	41.75	0.3	4	175.28
15.8	14	12.12	17.3	7	5.54	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
44.0	40	12.45	47.5	20	5.77	SOUTH BEND	2.2	4	24.63	2.2	0	0.00
55.9	48	11.76	58.8	24	5.60	SPOKANE	1.0	1	14.40	0.7	1	18.36
29.6	31	14.34	35.2	15	5.83	SPRINGFIELD I.	1.2	0	0.00	1.4	0	0.00
25.0	18	9.85	29.4	5	2.33	SPRINGFIELD MO	0.6	3	73.61	0.5	0	0.00
23.4	21	12.27	26.2	10	5.23	SPRINGFIELD O.	2.3	2	12.16	2.6	4	21.22
105.4	151	19.62	122.1	63	7.07	SPRINGFIELD MA	2.0	1	6.95	2.1	1	6.40
33.1	39	16.12	32.8	18	7.52	STEUBENVILLE	1.4	0	0.00	1.4	1	10.12
49.0	91	25.45	46.2	39	11.55	STOCKTON	7.0	7	13.66	3.2	7	29.69
108.4	128	16.18	118.9	65	7.49	SYRACUSE	1.9	0	0.00	1.8	1	7.67
60.3	48	10.90	62.7	32	6.99	TACOMA	1.9	1	7.14	1.4	3	29.42
179.2	187	14.29	202.7	85	5.74	TAMPA	14.4	13	12.37	15.4	10	8.91
22.3	22	13.50	25.7	10	5.33	TERRE HAUTE	1.0	2	27.34	1.1	0	0.00
15.2	8	7.23	16.5	5	4.15	TEXARKANA	4.3	6	12.74	4.8	1	2.84
87.3	118	18.52	95.9	65	9.29	TOLEDO	7.1	5	9.70	7.3	4	7.54
24.3	20	11.28	28.1	12	5.84	TOPEKA	1.9	2	14.76	2.0	3	20.13
50.4	86	23.37	55.7	26	6.40	TRENTON	5.3	8	20.76	5.1	7	18.71
44.9	47	14.35	48.8	17	4.77	TUCSON	2.7	11	55.17	2.5	9	49.36
71.6	58	11.10	80.5	29	4.94	TULSA	6.7	9	18.48	7.7	3	5.34
14.5	2	1.88	15.3	2	1.79	TUSCALOOSA	4.4	2	6.21	5.3	3	7.75
13.0	3	3.17	14.4	1	0.95	TYLER	4.0	1	3.41	4.4	0	0.00
69.0	71	14.09	75.8	24	4.34	UTICA	0.7	2	36.80	0.6	1	21.84
25.2	14	7.62	27.6	7	3.47	WACO	4.3	1	3.19	4.9	2	5.60
265.4	356	18.27	313.2	251	10.98	WASHINGTON	79.5	157	27.07	86.[illegible]	155	24.54
21.5	17	10.84	23.6	8	4.64	WATERLOO	0.7	0	0.00	0.6	0	0.00
44.4	49	15.10	49.7	24	6.61	W. PALM BEACH	8.9	3	4.62	7.5	2	3.67
41.6	40	13.18	45.5	21	6.32	WHEELING	1.0	0	0.00	1.0	1	13.90
53.6	40	10.23	59.6	26	5.97	WICHITA	2.9	1	4.75	3.0	2	9.25
20.8	16	10.51	22.9	9	5.39	WICHITA FALLS	1.4	1	9.50	1.6	2	17.46
80.0	140	23.98	93.8	49	7.16	WILKES-BARRE	0.2	0	0.00	0.2	1	59.50
60.8	78	17.57	66.0	36	7.47	WILMINGTON	8.0	16	27.44	7.8	5	8.77
23.7	21	12.12	27.6	10	4.96	WINSTON-SALEM	7.3	10	18.81	9.1	7	10.57
124.3	132	14.55	142.3	76	7.32	WORCESTER	0.7	1	20.79	0.7	0	0.00
48.0	41	11.70	52.6	12	3.12	YORK	0.8	0	0.00	0.8	[illegible]	49.27
93.4	99	14.51	97.2	50	7.05	YOUNGSTOWN	8.1	6	10.12	7.6	4	7.21
20023.2	27487	18.80	22280.0	13984	9.60	TOTAL 201 SMSA	2105.6	3124	20.32	2259.2	2084	12.64

ALL AGE STANDARD RATE = 13.70

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CHOLELITHIASIS, CHOLECYSTITIS, AND CHOLANGITIS (I.S.C. 584-585)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
3.4	2	1.44	4.3	3	1.73	ABILENE	0.1	0	0.00	0.1	0	0.00
15.6	21	3.36	18.6	15	2.01	AKRON	0.9	1	2.93	0.9	1	2.78
0.8	1	3.02	1.1	1	2.34	ALBANY GA	0.6	1	4.25	0.9	3	8.52
25.8	29	2.80	34.2	40	2.91	ALBANY NY	0.4	0	0.00	0.4	0	0.00
5.2	10	4.83	6.0	10	4.14	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
16.9	20	2.63	23.6	32	3.38	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
6.0	5	2.07	7.6	5	1.64	ALTOONA	0.0	0	0.00	0.0	0	0.00
3.3	4	3.06	4.1	3	1.84	AMARILLO	0.1	0	0.00	0.1	0	0.00
4.2	3	1.76	5.8	8	3.42	ANN ARBOR	0.3	0	0.00	0.3	0	0.00
4.4	2	1.14	5.6	2	0.90	ASHEVILLE	0.5	1	4.98	0.6	1	4.05
19.7	7	0.89	28.7	29	2.43	ATLANTA	5.0	2	0.99	7.0	6	1.43
6.8	5	1.84	8.6	7	2.03	ATLANTIC CITY	1.1	0	0.00	1.3	0	0.00
3.3	4	3.09	4.6	3	1.64	AUGUSTA	1.6	1	1.57	2.2	3	3.47
5.3	5	2.36	7.0	6	2.14	AUSTIN	0.9	0	0.00	1.1	0	0.00
7.7	16	4.53	7.9	11	3.46	BAKERSFIELD	0.6	1	3.85	0.4	0	0.00
41.7	26	1.55	55.0	53	2.32	BALTIMORE	8.3	4	1.20	9.3	9	2.41
3.0	2	1.64	4.1	1	0.60	BATON ROUGE	1.8	0	0.00	2.2	1	1.14
3.4	3	2.22	4.0	12	7.38	BAY CITY	0.0	0	0.00	0.0	0	0.00
6.2	5	1.21	7.3	5	1.02	BEAUMONT	1.9	0	0.00	1.6	1	1.60
2.4	1	1.03	2.6	1	0.96	BILLINGS	0.0	0	0.00	0.0	0	0.00
7.8	8	2.57	10.0	7	1.76	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
12.5	8	1.60	16.6	14	2.10	BIRMINGHAM	6.1	2	0.82	7.6	3	0.98
116.1	99	2.13	165.7	171	2.57	BOSTON	2.4	2	2.05	2.8	5	4.45
22.5	13	1.44	29.7	18	1.56	BRIDGEPORT	0.6	0	0.00	0.7	2	6.73
9.9	10	2.52	13.2	10	1.89	BROCKTON	0.2	0	0.00	0.1	0	0.00
3.4	4	2.90	3.9	4	2.55	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
43.1	58	3.36	53.3	80	3.76	BUFFALO	1.7	1	1.51	1.6	3	4.64
12.1	7	1.44	14.0	17	2.93	CANTON	0.4	1	5.74	0.4	0	0.00
4.9	1	0.50	6.9	9	3.44	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
3.1	4	3.19	4.2	3	1.76	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
2.7	1	0.94	3.7	0	0.00	CHARLESTON SC	1.3	1	1.99	1.9	0	0.00
6.8	2	0.73	7.9	1	0.32	CHARLESTON WVA	0.6	0	0.00	0.6	0	0.00
4.8	2	1.05	8.9	10	3.59	CHARLOTTE	1.3	1	1.96	1.6	1	1.52
7.0	9	2.83	9.1	16	4.36	CHATTANOOGA	1.4	2	3.57	1.8	1	1.40
186.1	150	2.13	229.7	235	2.55	CHICAGO	19.6	3	0.38	22.3	11	1.23
33.3	46	3.44	47.3	76	4.01	CINCINNATI	3.7	0	0.00	4.0	3	1.86
54.3	44	2.02	67.7	64	2.36	CLEVELAND	5.7	2	0.87	6.4	6	2.32
3.9	6	3.80	5.5	8	3.61	COLORADO SPRGS	0.1	1	29.63	0.1	0	0.00
4.3	1	0.58	6.0	4	1.66	COLUMBIA	1.6	1	1.59	2.0	1	1.24
2.8	5	4.46	6.0	3	1.87	COLUMBUS GA	1.2	1	2.04	1.8	0	0.00
17.9	14	2.23	24.8	34	3.42	COLUMBUS OHIO	2.2	2	2.22	2.4	1	1.03
4.4	5	2.84	5.0	6	2.99	CORPUS CHRISTI	0.2	0	0.00	0.3	0	0.00
25.6	20	1.94	35.3	21	1.48	DALLAS	3.9	0	0.00	4.2	3	1.79
10.1	7	1.73	12.4	9	1.80	DAVENPORT	0.2	0	0.00	0.1	0	0.00
18.6	19	2.56	23.6	23	2.42	DAYTON	1.6	0	0.00	1.7	0	0.00
4.3	5	2.92	5.6	7	3.10	DECATUR	0.1	0	0.00	0.2	0	0.00
27.6	27	2.42	36.9	37	2.50	DENVER	1.0	0	0.00	1.1	1	2.32
9.0	16	4.45	12.3	11	2.23	DES MOINES	0.4	0	0.00	0.4	1	6.14
96.6	112	2.83	111.1	164	3.68	DETROIT	11.7	10	2.14	12.5	10	1.99
2.9	4	3.46	4.2	2	1.19	DUBUQUE	0.0	0	0.00	0.0	0	0.00
12.6	20	3.94	14.9	18	3.57	DULUTH	0.1	0	0.00	0.0	0	0.00
2.0	2	2.47	3.0	4	3.35	DURHAM	0.8	1	3.02	1.1	2	4.72
5.6	5	2.21	7.1	22	7.67	EL PASO	0.2	0	0.00	0.1	0	0.00
6.8	3	0.85	10.8	12	2.78	ERIE	0.1	0	0.00	0.1	0	0.00
5.4	3	1.30	5.8	6	2.57	EUGENE	0.0	0	0.00	0.0	0	0.00
6.9	5	1.81	9.2	10	4.34	EVANSVILLE	0.5	1	4.55	0.6	1	4.31
15.8	23	3.63	22.1	24	2.70	FALL RIVER	0.2	0	0.00	0.2	0	0.00
3.6	3	2.07	3.9	3	1.90	FARGO	0.0	0	0.00	0.0	0	0.00
9.4	9	2.39	10.9	18	4.13	FLINT	0.5	2	9.80	0.6	1	4.50
13.5	16	2.58	13.9	14	2.51	FT. LAUDERDALE	0.8	0	0.00	0.8	0	0.00
2.5	0	0.00	3.2	6	4.65	FORT SMITH	0.2	1	13.55	0.2	0	0.00
7.1	7	2.45	9.6	7	1.85	FORT WAYNE	0.2	0	0.00	0.2	0	0.00
14.6	16	2.40	19.0	29	3.41	FORT WORTH	1.6	0	0.00	1.9	0	0.00
11.2	9	2.00	12.3	25	5.07	FRESNO	1.1	0	0.00	0.7	1	3.76
2.5	0	0.00	3.1	1	0.81	GADSDEN	0.4	0	0.00	0.4	0	0.00
3.1	4	3.23	3.5	1	0.71	GALVESTON	0.8	0	0.00	0.8	0	0.00
13.9	12	2.15	16.1	23	4.07	GARY	1.7	0	0.00	1.7	1	1.46
12.1	21	4.33	15.6	25	3.96	GRAND RAPIDS	0.3	0	0.00	0.3	0	0.00
2.4	2	2.12	2.3	1	1.07	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
3.9	4	2.53	4.8	2	1.05	GREEN BAY	0.0	0	0.00	0.0	0	0.00
4.9	0	0.00	6.6	7	2.63	GREENSBORO	1.0	1	2.39	1.2	3	6.03
4.2	7	4.13	5.7	9	3.90	GREENVILLE	0.8	0	0.00	1.0	2	4.89
5.5	4	1.82	6.8	10	3.65	HAMILTON	0.3	0	0.00	0.3	0	0.00
11.7	7	1.49	15.9	9	1.41	HARRISBURG	0.6	0	0.00	0.7	1	3.65
23.0	19	2.05	28.0	22	1.89	HARTFORD	0.6	0	0.00	0.5	0	0.00
2.7	1	0.92	3.1	6	4.81	HONOLULU	7.6	9	2.93	6.1	4	1.63
23.2	21	2.25	29.3	37	3.15	HOUSTON	5.2	1	0.48	5.9	6	2.53
9.1	7	1.91	10.8	14	3.24	HUNTINGTON	0.4	0	0.00	0.4	0	0.00
2.0	0	0.00	2.4	2	2.09	HUNTSVILLE	0.6	0	0.00	0.7	0	0.00
19.2	10	1.30	26.9	26	2.45	INDIANAPOLIS	3.0	1	0.84	3.3	3	2.27
4.5	3	1.66	5.6	6	2.67	JACKSON MICH	0.2	0	0.00	0.1	0	0.00
2.8	0	0.00	4.0	4	2.46	JACKSON MISS	1.9	0	0.00	2.3	0	0.00
8.6	9	2.62	11.6	9	1.97	JACKSONVILLE	2.6	1	0.97	3.1	1	0.80
22.7	27	2.96	27.9	44	3.93	JERSEY CITY	0.7	1	3.33	0.9	1	2.80
11.4	11	2.39	12.3	16	3.25	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
5.3	6	2.85	5.8	9	3.31	KALAMAZOO	0.1	1	17.41	0.1	1	17.05
31.7	43	3.39	42.9	59	3.43	KANSAS CITY	4.0	2	1.23	4.4	8	4.52
3.6	4	2.77	3.9	5	3.17	KENOSHA	0.0	0	0.00	0.0	0	0.00
9.9	6	1.51	12.8	9	1.76	KNOXVILLE	0.8	1	2.94	1.1	2	4.73
2.3	1	1.10	2.7	2	1.83	LAKE CHARLES	0.7	1	3.65	0.7	1	3.59
10.3	7	1.69	14.0	8	1.42	LANCASTER	0.1	0	0.00	0.1	0	0.00
9.0	12	3.31	11.3	16	3.53	LANSING	0.2	1	16.52	0.1	0	0.00
1.6	1	1.55	2.0	1	1.22	LAREDO	0.0	0	0.00	0.0	0	0.00
2.9	3	2.60	2.6	4	3.90	LAS VEGAS	0.2	0	0.00	0.2	0	0.00
1.6	0	0.00	1.9	0	0.00	LAWTON	0.2	1	16.86	0.2	1	13.90
3.5	5	3.57	4.8	1	0.52	LEXINGTON	0.8	0	0.00	0.9	1	2.74
3.7	3	2.03	4.5	4	2.21	LIMA	0.2	0	0.00	0.2	0	0.00
5.4	4	1.83	7.6	6	1.96	LINCOLN	0.1	0	0.00	0.1	0	0.00
6.2	5	2.01	7.9	4	1.26	LITTLE ROCK	1.9	0	0.00	2.1	1	1.16
6.1	8	3.25	7.0	7	2.49	LORAIN	0.3	0	0.00	0.3	0	0.00
204.3	151	1.84	287.8	257	2.22	LOS ANGELES	12.6	7	1.38	13.9	12	2.17

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
CHOLELITHIASIS, CHOLECYSTITIS, AND CHOLANGITIS (I.S.C. 584-585)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
19.6	15	1.91	27.5	29	2.63	LOUISVILLE	2.8	1	0.89	3.3	1	0.76
3.1	3	2.39	3.8	5	3.24	LUBBOCK	0.2	0	0.00	0.2	1	13.73
2.9	0	0.00	4.1	1	0.61	LYNCHBURG	0.7	0	0.00	0.9	1	2.83
2.8	3	2.64	4.1	5	3.06	MACON	1.2	1	2.03	1.9	0	0.00
6.8	9	3.28	8.8	13	3.66	MADISON	0.0	0	0.00	0.0	0	0.00
6.8	6	2.20	9.4	3	0.80	MANCHESTER	0.0	0	0.00	0.0	0	0.00
10.5	8	1.90	15.5	14	2.25	MEMPHIS	6.8	4	1.46	7.7	11	3.54
34.3	36	2.61	37.4	30	2.00	MIAMI	2.1	2	2.34	2.3	2	2.19
0.9	1	2.72	1.1	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
39.3	69	4.37	48.7	71	3.63	MILWAUKEE	1.0	1	2.55	0.9	2	5.46
48.7	63	3.22	63.9	68	2.65	MINNEAPOLIS	0.7	0	0.00	0.7	2	6.81
5.2	1	0.48	6.7	10	3.72	MOBILE	2.1	0	0.00	2.8	0	0.00
2.0	1	1.22	2.5	5	5.05	MONROE	1.1	0	0.00	1.2	0	0.00
2.5	2	1.97	3.8	2	1.30	MONTGOMERY	1.7	0	0.00	2.5	0	0.00
3.5	3	2.12	4.4	8	4.51	MUNCIE	0.2	0	0.00	0.2	0	0.00
4.3	7	4.07	4.9	11	5.56	MUSKEGON	0.2	0	0.00	0.2	0	0.00
9.4	9	2.37	13.6	9	1.65	NASHVILLE	2.3	1	1.07	2.9	3	2.61
54.6	52	2.37	72.3	88	3.03	NEWARK	4.6	3	1.63	5.7	6	2.62
23.8	23	2.41	29.9	21	1.75	NEW HAVEN	0.7	1	3.50	8.8	0	0.00
17.1	15	2.18	24.9	26	2.60	NEW ORLEANS	6.3	2	0.79	8.4	8	2.37
3.4	0	0.00	3.9	0	0.00	NEWPORT NEWS	1.5	1	1.69	1.5	0	0.00
365.1	439	3.00	453.4	557	3.06	NEW YORK	26.8	25	2.32	34.0	43	3.15
8.8	5	1.41	11.8	6	1.27	NORFOLK	3.5	1	0.71	4.0	3	1.97
1.2	1	2.00	1.3	3	5.73	ODESSA	0.1	0	0.00	0.1	0	0.00
3.0	1	0.82	3.4	4	2.89	OGDEN	0.1	0	0.00	0.1	0	0.00
14.5	10	1.72	18.9	24	3.17	OKLAHOMA CITY	1.2	1	2.06	1.3	2	3.87
14.7	22	3.73	18.4	29	3.93	OMAHA	0.8	0	0.00	0.9	2	5.73
9.9	6	1.51	11.4	10	2.16	ORLANDO	1.2	0	0.00	1.3	0	0.00
39.1	40	2.55	49.4	62	3.12	PATERSON	0.8	1	3.06	1.0	1	2.44
3.6	4	2.74	4.4	3	1.71	PENSACOLA	0.8	0	0.00	1.0	1	2.54
9.9	10	2.52	12.6	13	2.58	PEORIA	0.2	0	0.00	0.3	0	0.00
130.3	149	2.85	172.3	215	3.11	PHILADELPHIA	16.6	10	1.50	19.5	20	2.56
18.6	16	2.15	19.9	20	2.51	PHOENIX	1.0	1	2.55	0.8	1	3.31
84.4	87	2.57	97.8	95	2.42	PITTSBURGH	5.3	1	0.47	5.1	5	2.46
5.6	3	1.32	7.8	7	2.23	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
7.4	4	1.36	10.3	8	1.93	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
34.4	24	1.74	41.6	29	1.74	PORTLAND OREG.	0.7	0	0.00	0.5	0	0.00
27.6	27	2.44	37.3	59	3.95	PROVIDENCE	0.4	1	5.96	0.4	0	0.00
2.5	0	0.00	3.0	2	1.68	PROVO	0.0	0	0.00	0.0	0	0.00
4.4	7	3.97	5.0	6	2.96	PUEBLO	0.1	0	0.00	0.1	0	0.00
4.9	4	2.03	5.8	8	3.44	RACINE	0.1	0	0.00	0.1	0	0.00
3.2	1	0.78	4.3	2	1.15	RALEIGH	1.0	0	0.00	1.3	1	1.91
11.5	8	1.73	14.0	21	3.73	READING	0.1	1	20.52	0.1	0	0.00
2.8	3	2.65	2.7	0	0.00	RENO	0.1	0	0.00	0.1	0	0.00
9.2	5	1.34	16.0	12	2.13	RICHMOND	2.8	1	0.89	3.4	1	0.73
4.7	3	1.59	6.3	8	3.15	ROANOKE	0.6	1	4.04	0.7	3	10.73
22.3	22	2.45	29.7	26	2.18	ROCHESTER	0.4	0	0.00	0.4	0	0.00
6.7	3	1.11	8.2	13	3.96	ROCKFORD	0.1	0	0.00	0.2	0	0.00
13.9	10	1.79	15.3	19	3.10	SACRAMENTO	1.0	0	0.00	0.6	0	0.00
5.6	8	3.53	6.8	11	4.03	SAGINAW	0.3	0	0.00	0.3	1	8.96
4.5	1	0.55	6.0	4	1.65	ST. JOSEPH	0.1	0	0.00	0.2	0	0.00
62.0	73	2.94	84.6	72	2.12	ST. LOUIS	8.4	4	1.19	9.8	10	2.54
10.4	8	1.92	13.0	16	3.07	SALT LAKE CITY	0.2	1	11.72	0.1	0	0.00
2.1	2	2.33	2.6	5	4.77	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
16.5	13	1.96	22.1	21	2.37	SAN ANTONIO	1.2	1	2.13	1.6	0	0.00
29.3	25	2.13	33.2	28	2.10	SAN BERNARDINO	0.9	0	0.00	0.9	1	2.92
28.1	36	3.20	35.9	41	2.85	SAN DIEGO	0.9	1	2.89	0.8	1	3.03
88.6	85	2.39	114.7	84	1.82	SAN FRANCISCO	7.5	4	1.34	6.1	1	0.41
16.7	13	1.94	22.0	15	1.70	SAN JOSE	0.5	0	0.00	0.4	0	0.00
5.5	7	3.17	7.4	9	3.05	SANTA BARBARA	0.2	1	13.57	0.1	0	0.00
2.9	0	0.00	4.3	4	2.30	SAVANNAH	1.5	0	0.00	2.1	3	3.60
9.7	12	3.09	12.7	10	1.96	SCRANTON	0.0	0	0.00	0.0	0	0.00
39.7	34	2.13	47.2	37	1.95	SEATTLE	1.6	2	3.03	1.1	0	0.00
5.1	5	2.46	6.6	5	1.90	SHREVEPORT	3.0	0	0.00	3.7	3	2.02
4.7	1	0.53	5.4	0	0.00	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
3.0	3	2.48	3.6	2	1.39	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
7.6	8	2.62	9.1	11	3.00	SOUTH BEND	0.3	0	0.00	0.3	2	16.02
11.7	8	1.70	13.2	4	0.75	SPOKANE	0.2	1	15.28	0.1	1	20.28
5.8	6	2.57	7.7	8	2.58	SPRINGFIELD I.	0.2	0	0.00	0.3	1	8.68
5.3	1	0.47	6.9	4	1.43	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
4.6	6	3.25	5.9	6	2.53	SPRINGFIELD O.	0.4	0	0.00	0.5	1	4.75
19.3	12	1.55	26.5	31	2.92	SPRINGFIELD MA	0.3	0	0.00	0.3	0	0.00
5.9	5	2.10	6.0	7	2.89	STEUBENVILLE	0.2	0	0.00	0.2	0	0.00
9.4	5	1.33	9.2	7	1.89	STOCKTON	1.1	1	2.27	0.5	1	5.36
20.3	18	2.21	25.7	28	2.72	SYRACUSE	0.3	2	19.69	0.3	1	9.48
11.7	12	2.55	13.3	7	1.31	TACOMA	0.2	0	0.00	0.2	0	0.00
44.4	32	1.80	48.1	54	2.80	TAMPA	2.2	0	0.00	2.4	2	2.08
4.7	12	6.38	5.9	12	5.07	TERRE HAUTE	0.2	0	0.00	0.2	0	0.00
2.9	0	0.00	3.4	2	1.48	TEXARKANA	0.9	0	0.00	1.0	0	0.00
15.7	23	3.65	20.0	24	2.99	TOLEDO	1.1	0	0.00	1.1	0	0.00
4.7	1	0.53	6.5	4	1.53	TOPEKA	0.4	0	0.00	0.4	0	0.00
8.6	12	3.47	10.9	17	3.88	TRENTON	0.7	0	0.00	0.7	2	7.01
7.3	7	2.39	8.4	12	3.56	TUCSON	0.5	2	10.94	0.6	1	6.23
12.4	8	1.61	15.5	17	2.73	TULSA	1.2	2	4.00	1.4	2	3.51
2.5	0	0.00	3.1	4	3.25	TUSCALOOSA	0.8	0	0.00	1.0	2	5.23
2.3	0	0.00	2.8	1	0.89	TYLER	0.8	0	0.00	0.8	0	0.00
13.8	18	3.25	17.1	7	1.02	UTICA	0.1	0	0.00	0.1	0	0.00
4.6	7	3.76	5.9	0	0.00	WACO	0.9	0	0.00	1.0	0	0.00
37.3	33	2.21	56.3	44	1.95	WASHINGTON	10.6	6	1.40	13.0	11	2.11
4.0	5	3.11	5.1	1	0.49	WATERLOO	0.1	1	23.86	0.1	0	0.00
9.6	6	1.55	10.6	8	1.88	W. PALM BEACH	1.2	1	2.00	1.0	1	2.61
8.7	4	1.15	10.2	17	4.14	WHEELING	0.2	0	0.00	0.2	0	0.00
8.5	10	2.93	11.4	15	3.28	WICHITA	0.5	1	5.54	0.5	0	0.00
3.6	1	0.69	4.4	4	2.28	WICHITA FALLS	0.2	0	0.00	0.2	1	10.48
13.8	18	3.25	18.0	27	3.74	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
9.8	14	3.54	12.6	16	3.16	WILMINGTON	1.2	1	2.01	1.2	1	2.07
3.5	4	2.85	4.8	2	1.04	WINSTON-SALEM	1.1	0	0.00	1.4	2	3.55
24.1	15	1.55	32.1	34	2.66	WORCESTER	0.1	0	0.00	0.1	0	0.00
8.9	5	1.41	10.8	11	2.54	YORK	0.1	0	0.00	0.1	0	0.00
16.9	19	2.81	18.6	21	2.81	YOUNGSTOWN	1.2	1	2.03	1.1	2	4.52
3442.2	3330	2.41	4389.0	4689	2.66	TOTAL 201 SMSA	309.3	148	1.35	349.5	303	2.16

ALL AGE STANDARD RATE = 2.49

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
HYPERPLASIA OF PROSTATE (I.S.C. 610)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
2.9	11	8.07	3.8	0	0.00	ABILENE	0.1	1	18.59	0.1	0	0.00
12.3	25	4.27	15.7	0	0.00	AKRON	0.6	3	10.46	0.7	0	0.00
0.6	1	3.59	0.8	0	0.00	ALBANY GA	0.5	2	8.38	0.8	0	0.00
21.8	34	3.27	30.8	0	0.00	ALBANY NY	0.3	0	0.00	0.3	0	0.00
3.8	9	4.94	4.7	0	0.00	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
15.7	48	6.40	20.8	0	0.00	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
5.2	18	7.20	6.9	0	0.00	ALTOONA	0.0	1	65.37	0.0	0	0.00
2.5	7	5.97	3.4	0	0.00	AMARILLO	0.1	3	63.14	0.1	0	0.00
3.4	11	6.70	5.3	0	0.00	ANN ARBOR	0.2	2	22.15	0.2	0	0.00
3.7	7	3.95	4.9	0	0.00	ASHEVILLE	0.4	1	5.15	0.5	0	0.00
15.1	38	5.29	24.5	0	0.00	ATLANTA	3.9	19	10.34	5.6	0	0.00
5.9	14	5.69	7.8	0	0.00	ATLANTIC CITY	1.0	5	10.89	1.1	0	0.00
2.4	4	3.48	3.8	0	0.00	AUGUSTA	1.3	3	4.81	1.8	0	0.00
4.4	6	2.89	6.2	0	0.00	AUSTIN	0.7	6	11.23	1.0	0	0.00
6.1	18	6.21	6.5	0	0.00	BAKERSFIELD	0.5	0	0.00	0.3	0	0.00
32.7	87	5.59	49.3	0	0.00	BALTIMORE	6.1	18	6.21	7.2	0	0.00
2.2	5	4.86	3.3	0	0.00	BATON ROUGE	1.5	3	4.14	1.9	0	0.00
2.8	13	9.78	3.5	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
4.6	10	4.60	6.0	0	0.00	BEAUMONT	1.2	5	8.78	1.2	0	0.00
2.0	3	3.12	2.2	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
6.4	11	3.58	8.9	0	0.00	BINGHAMTON	0.0	1	45.09	0.0	0	0.00
9.9	21	4.44	14.2	0	0.00	BIRMINGHAM	4.9	16	6.90	6.3	0	0.00
98.3	197	4.20	151.0	0	0.00	BOSTON	2.0	10	10.64	2.4	0	0.00
18.3	34	3.39	25.2	0	0.00	BRIDGEPORT	0.5	0	0.00	0.5	0	0.00
8.7	27	6.54	17.3	0	0.00	BROCKTON	0.2	0	0.00	0.1	0	0.00
2.8	10	7.51	3.3	0	0.00	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
34.9	78	4.69	46.1	0	0.00	BUFFALO	1.1	6	11.21	1.1	0	0.00
10.3	17	3.48	12.9	0	0.00	CANTON	0.3	1	6.47	0.3	0	0.00
4.3	7	3.44	6.0	0	0.00	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
2.6	13	10.41	3.8	0	0.00	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.9	4	4.40	3.1	0	0.00	CHARLESTON SC	0.9	2	4.67	1.5	0	0.00
5.4	19	7.35	6.6	0	0.00	CHARLESTON WVA	0.5	1	4.47	0.5	0	0.00
3.5	4	2.37	5.8	0	0.00	CHARLOTTE	1.0	2	4.41	1.3	0	0.00
5.7	12	4.42	7.8	0	0.00	CHATTANOOGA	1.1	5	9.57	1.4	0	0.00
147.4	335	4.77	195.0	0	0.00	CHICAGO	14.2	39	5.75	17.2	0	0.00
27.7	88	6.66	42.6	0	0.00	CINCINNATI	2.9	11	7.86	3.2	0	0.00
43.8	102	4.89	57.9	0	0.00	CLEVELAND	4.1	18	9.12	4.9	0	0.00
3.3	7	4.44	5.1	0	0.00	COLORADO SPRGS	0.1	1	32.84	0.1	0	0.00
3.2	4	2.60	5.1	0	0.00	COLUMBIA	1.2	5	8.65	1.6	0	0.00
2.0	5	5.24	3.3	0	0.00	COLUMBUS GA	0.9	7	15.67	1.5	0	0.00
14.6	44	6.30	22.1	0	0.00	COLUMBUS OHIO	1.6	4	4.70	2.0	0	0.00
3.3	10	6.44	4.0	0	0.00	CORPUS CHRISTI	0.1	1	14.96	0.2	0	0.00
20.1	39	4.07	30.4	0	0.00	DALLAS	3.1	3	3.39	3.3	0	0.00
8.5	21	5.14	11.2	0	0.00	DAVENPORT	0.1	0	0.00	0.1	0	0.00
15.1	36	4.99	20.6	0	0.00	DAYTON	1.3	5	8.33	1.3	0	0.00
3.7	5	2.84	5.1	0	0.00	DECATUR	0.1	0	0.00	0.1	0	0.00
23.2	34	3.08	33.1	0	0.00	DENVER	0.8	2	5.45	0.9	0	0.00
7.6	22	6.10	11.1	0	0.00	DES MOINES	0.3	2	13.80	0.4	0	0.00
75.3	210	5.85	91.0	0	0.00	DETROIT	8.0	36	9.48	9.1	0	0.00
2.5	2	1.65	4.0	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
11.0	30	5.70	11.0	0	0.00	DULUTH	0.1	1	38.40	0.0	0	0.00
1.6	2	2.70	2.5	0	0.00	DURHAM	0.6	0	0.00	0.8	0	0.00
4.3	9	4.43	5.8	0	0.00	EL PASO	0.1	1	16.71	0.1	0	0.00
7.4	15	4.23	9.5	0	0.00	ERIE	0.1	0	0.00	0.1	0	0.00
4.5	3	1.40	5.0	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
5.8	9	3.24	8.3	0	0.00	EVANSVILLE	0.5	2	8.70	0.5	0	0.00
13.4	26	4.09	20.0	0	0.00	FALL RIVER	0.2	0	0.00	0.2	0	0.00
3.0	6	4.15	3.4	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
7.4	20	5.70	9.1	0	0.00	FLINT	0.3	2	12.97	0.4	0	0.00
11.1	20	3.78	11.3	0	0.00	FT. LAUDERDALE	0.5	1	4.02	0.6	0	0.00
2.2	5	4.82	2.9	0	0.00	FORT SMITH	0.2	0	0.00	0.2	0	0.00
5.9	18	6.45	8.3	0	0.00	FORT WAYNE	0.1	0	0.00	0.2	0	0.00
11.6	27	4.89	16.4	0	0.00	FORT WORTH	1.3	8	12.76	1.5	0	0.00
9.3	24	5.39	10.6	0	0.00	FRESNO	0.9	2	4.42	0.5	0	0.00
2.0	5	5.18	2.6	0	0.00	GADSDEN	0.3	3	22.22	0.4	0	0.00
2.3	0	0.00	2.9	0	0.00	GALVESTON	0.6	0	0.00	0.6	0	0.00
10.7	22	4.33	11.3	0	0.00	GARY	1.2	8	13.72	1.3	0	0.00
10.2	22	4.53	14.1	0	0.00	GRAND RAPIDS	0.2	0	0.00	0.3	0	0.00
2.0	2	2.12	2.0	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
3.3	12	7.65	4.2	0	0.00	GREEN BAY	0.0	0	0.00	0.0	0	0.00
3.8	8	4.45	5.5	0	0.00	GREENSBORO	0.8	6	10.97	1.0	0	0.00
3.2	6	3.90	4.8	0	0.00	GREENVILLE	0.6	1	3.44	0.8	0	0.00
4.5	8	3.73	6.0	0	0.00	HAMILTON	0.2	1	9.65	0.2	0	0.00
9.8	20	4.28	14.3	0	0.00	HARRISBURG	0.5	2	9.12	0.6	0	0.00
18.7	27	3.03	25.2	0	0.00	HARTFORD	0.4	0	0.00	0.5	0	0.00
1.8	3	3.54	2.4	0	0.00	HONOLULU	5.9	5	1.79	4.6	0	0.00
17.0	38	4.70	23.7	0	0.00	HOUSTON	3.9	10	5.40	4.7	0	0.00
7.9	21	5.60	9.5	0	0.00	HUNTINGTON	0.3	4	25.54	0.3	0	0.00
1.5	8	11.42	1.9	0	0.00	HUNTSVILLE	0.5	5	22.02	0.6	0	0.00
15.7	29	3.89	23.3	0	0.00	INDIANAPOLIS	2.4	8	6.96	2.7	0	0.00
3.8	13	7.20	5.1	0	0.00	JACKSON MICH	0.1	1	15.97	0.1	0	0.00
2.1	1	0.98	3.5	0	0.00	JACKSON MISS	1.6	11	14.44	2.0	0	0.00
6.5	21	6.75	9.6	0	0.00	JACKSONVILLE	2.0	12	12.72	2.5	0	0.00
18.2	53	6.11	23.5	0	0.00	JERSEY CITY	0.5	2	8.00	0.7	0	0.00
9.9	38	8.06	10.8	0	0.00	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
4.4	11	5.24	6.1	0	0.00	KALAMAZOO	0.1	0	0.00	0.1	0	0.00
26.4	58	4.60	38.5	0	0.00	KANSAS CITY	3.4	16	9.88	3.8	0	0.00
3.0	4	2.84	3.4	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
7.9	13	3.43	10.9	0	0.00	KNOXVILLE	0.7	1	3.04	0.9	0	0.00
1.7	1	1.26	2.2	0	0.00	LAKE CHARLES	0.0	3	11.27	0.6	0	0.00
9.0	21	4.91	13.0	0	0.00	LANCASTER	0.1	1	23.29	0.1	0	0.00
7.6	18	5.00	10.1	0	0.00	LANSING	0.1	0	0.00	0.1	0	0.00
1.3	3	4.84	1.7	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
2.0	10	10.72	1.8	0	0.00	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
1.3	3	4.84	1.6	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
2.9	2	1.43	4.3	0	0.00	LEXINGTON	0.7	2	6.04	0.8	0	0.00
3.2	11	7.25	4.1	0	0.00	LIMA	0.1	0	0.00	0.1	0	0.00
4.7	8	3.54	7.1	0	0.00	LINCOLN	0.1	0	0.00	0.1	0	0.00
5.1	5	2.07	7.0	0	0.00	LITTLE ROCK	1.7	8	10.02	1.9	0	0.00
5.0	16	6.71	6.1	0	0.00	LORAIN	0.2	2	19.02	0.2	0	0.00
166.6	359	4.52	256.6	0	0.00	LOS ANGELES	9.3	38	8.54	10.5	0	0.00

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

HYPERPLASIA OF PROSTATE (I.S.C. 610)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
16.0	36	4.72	24.5	0	0.00	LOUISVILLE	2.3	8	7.24	2.8	0	0.00
2.4	7	6.14	3.7	0	0.00	LUBBOCK	0.2	1	13.45	0.1	0	0.00
2.4	4	3.45	3.7	0	0.00	LYNCHBURG	0.6	2	6.58	0.8	0	0.00
2.1	7	7.01	3.4	0	0.00	MACON	1.0	2	4.38	1.5	0	0.00
5.7	12	4.39	7.9	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
5.7	7	2.56	8.5	0	0.00	MANCHESTER	0.0	0	0.00	0.0	0	0.00
8.2	25	6.40	13.5	0	0.00	MEMPHIS	5.8	24	8.76	6.6	0	0.00
28.3	71	5.26	31.6	0	0.00	MIAMI	1.4	10	15.26	1.5	0	0.00
0.6	3	10.75	0.8	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
31.7	72	4.76	42.1	0	0.00	MILWAUKEE	0.7	0	0.00	0.6	0	0.00
40.6	62	3.20	56.8	0	0.00	MINNEAPOLIS	0.6	3	10.87	0.6	0	0.00
3.9	6	3.21	5.5	0	0.00	MOBILE	1.6	9	11.66	0.6	0	0.00
1.7	3	3.77	2.1	0	0.00	MONROE	0.9	10	22.42	2.3	0	0.00
1.9	5	5.42	3.3	0	0.00	MONTGOMERY	1.4	3	4.56	1.0	0	0.00
3.0	13	9.12	4.0	0	0.00	MUNCIE	0.2	0	0.00	2.2	0	0.00
3.5	9	5.41	4.2	0	0.00	MUSKEGON	0.2	1	13.87	0.1	0	0.00
7.7	19	4.92	12.0	0	0.00	NASHVILLE	1.9	8	8.75	0.1	0	0.00
43.8	88	4.22	63.0	0	0.00	NEWARK	3.3	15	9.63	2.4	0	0.00
19.9	37	3.90	26.5	0	0.00	NEW HAVEN	0.6	1	3.69	4.3	0	0.00
13.0	27	4.34	21.4	0	0.00	NEW ORLEANS	4.8	18	7.87	0.6	0	0.00
2.5	6	5.01	3.2	0	0.00	NEWPORT NEWS	1.1	12	22.69	6.9	0	0.00
291.7	881	6.34	382.0	0	0.00	NEW YORK	18.7	86	9.64	1.1	0	0.00
6.5	7	2.26	9.8	0	0.00	NORFOLK	2.7	12	9.45	25.0	0	0.00
0.7	1	2.87	0.9	0	0.00	ODESSA	0.0	0	0.00	3.2	0	0.00
2.5	4	3.40	2.9	0	0.00	OGDEN	0.1	0	0.00	0.0	0	0.00
11.9	24	4.24	16.5	0	0.00	OKLAHOMA CITY	1.0	1	2.10	0.0	0	0.00
12.3	45	7.71	16.3	0	0.00	OMAHA	0.6	3	9.95	1.0	0	0.00
8.5	12	2.96	10.3	0	0.00	ORLANDO	0.9	4	8.92	0.8	0	0.00
30.8	80	5.44	42.0	0	0.00	PATERSON	0.6	2	7.33	1.0	0	0.00
2.8	5	3.76	3.6	0	0.00	PENSACOLA	0.6	2	6.62	0.7	0	0.00
8.2	18	4.59	11.3	0	0.00	PEORIA	0.2	0	0.00	0.8	0	0.00
105.9	228	4.52	150.8	0	0.00	PHILADELPHIA	12.5	67	11.26	0.2	0	0.00
14.8	23	3.26	16.3	0	0.00	PHOENIX	0.8	0	0.00	15.3	0	0.00
69.9	104	3.12	84.4	0	0.00	PITTSBURGH	4.1	11	5.60	0.6	0	0.00
4.9	6	2.59	7.2	0	0.00	PITTSFIELD	0.1	0	0.00	4.0	0	0.00
6.4	21	6.84	9.7	0	0.00	PORTLAND MAINE	0.0	0	0.00	0.1	0	0.00
29.6	45	3.19	37.6	0	0.00	PORTLAND OREG.	0.6	0	0.00	0.0	0	0.00
23.1	41	3.72	33.2	0	0.00	PROVIDENCE	0.4	0	0.00	0.4	0	0.00
2.0	1	1.02	2.6	0	0.00	PROVO	0.0	1	268.08	0.4	0	0.00
3.8	17	9.32	5.6	0	0.00	PUEBLO	0.1	0	0.00	0.0	0	0.00
4.1	9	4.59	5.1	0	0.00	RACINE	0.0	0	0.00	0.1	0	0.00
2.5	4	3.39	3.6	0	0.00	RALEIGH	0.8	3	7.70	0.0	0	0.00
9.7	25	5.40	12.3	0	0.00	READING	0.1	0	0.00	1.1	0	0.00
2.2	10	9.34	2.3	0	0.00	RENO	0.1	0	0.00	0.1	0	0.00
7.3	18	5.18	12.4	0	0.00	RICHMOND	2.2	9	8.61	0.0	0	0.00
3.8	8	4.37	5.6	0	0.00	ROANOKE	0.5	1	4.38	2.7	0	0.00
18.9	19	2.11	26.9	0	0.00	ROCHESTER	0.2	0	0.00	0.6	0	0.00
5.5	14	5.30	7.2	0	0.00	ROCKFORD	0.1	0	0.00	0.3	0	0.00
11.1	28	5.28	13.0	0	0.00	SACRAMENTO	0.8	2	5.39	0.1	0	0.00
4.7	10	4.47	6.0	0	0.00	SAGINAW	0.2	1	12.49	0.4	0	0.00
4.1	5	2.57	5.7	0	0.00	ST. JOSEPH	0.1	0	0.00	0.2	0	0.00
50.9	88	3.63	75.1	0	0.00	ST. LOUIS	6.7	30	9.34	0.2	0	0.00
8.5	17	4.20	11.3	0	0.00	SALT LAKE CITY	0.2	1	11.19	8.1	0	0.00
1.8	5	5.81	2.3	0	0.00	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
13.2	17	3.02	19.1	0	0.00	SAN ANTONIO	0.9	4	9.29	0.1	0	0.00
25.1	37	3.09	29.4	0	0.00	SAN BERNARDINO	0.7	4	12.18	1.3	0	0.00
22.9	45	4.12	31.6	0	0.00	SAN DIEGO	0.6	1	3.53	0.7	0	0.00
72.2	120	3.49	101.2	0	0.00	SAN FRANCISCO	5.1	13	5.31	0.6	0	0.00
13.5	21	3.26	19.4	0	0.00	SAN JOSE	0.4	0	0.00	4.2	0	0.00
4.6	10	4.54	6.6	0	0.00	SANTA BARBARA	0.1	1	15.68	0.3	0	0.00
2.2	6	5.63	3.7	0	0.00	SAVANNAH	1.2	3	5.39	0.1	0	0.00
8.0	29	7.58	11.0	0	0.00	SCRANTON	0.0	0	0.00	1.7	0	0.00
33.8	76	4.72	42.1	0	0.00	SEATTLE	1.3	5	7.97	0.0	0	0.00
4.0	4	2.09	5.5	0	0.00	SHREVEPORT	2.6	16	12.78	0.8	0	0.00
4.1	5	2.54	4.9	0	0.00	SIOUX CITY	0.0	0	0.00	3.3	0	0.00
2.6	1	0.81	3.2	0	0.00	SIOUX FALLS	0.0	0	0.00	0.1	0	0.00
6.2	16	5.39	7.9	0	0.00	SOUTH BEND	0.2	0	0.00	0.0	0	0.00
10.5	11	2.20	12.1	0	0.00	SPOKANE	0.1	1	15.61	0.2	0	0.00
5.0	10	4.17	7.0	0	0.00	SPRINGFIELD I.	0.2	1	9.59	0.1	0	0.00
4.7	7	3.11	6.5	0	0.00	SPRINGFIELD MO	0.1	0	0.00	0.3	0	0.00
4.0	2	1.04	5.5	0	0.00	SPRINGFIELD O.	0.3	0	0.00	0.1	0	0.00
16.2	23	2.98	23.8	0	0.00	SPRINGFIELD MA	0.2	0	0.00	0.5	0	0.00
4.9	6	2.56	5.2	0	0.00	STEUBENVILLE	0.2	0	0.00	0.3	0	0.00
8.0	19	5.00	8.1	0	0.00	STOCKTON	0.9	2	4.93	0.2	0	0.00
17.2	25	3.05	23.3	0	0.00	SYRACUSE	0.2	1	11.54	0.4	0	0.00
10.1	22	4.55	12.0	0	0.00	TACOMA	0.1	0	0.00	0.2	0	0.00
40.5	78	4.04	43.5	0	0.00	TAMPA	1.7	16	19.67	0.1	0	0.00
4.1	15	7.60	5.4	0	0.00	TERRE HAUTE	0.2	0	0.00	1.9	0	0.00
2.4	7	6.03	3.0	0	0.00	TEXARKANA	0.8	9	23.46	0.2	0	0.00
13.0	26	4.20	17.7	0	0.00	TOLEDO	0.8	0	0.00	0.9	0	0.00
4.1	8	4.08	6.0	0	0.00	TOPEKA	0.3	1	6.32	0.9	0	0.00
7.0	12	3.62	9.5	0	0.00	TRENTON	0.5	0	0.00	0.3	0	0.00
5.7	8	2.93	6.8	0	0.00	TUCSON	0.4	0	0.00	0.5	0	0.00
10.2	21	4.32	13.5	0	0.00	TULSA	1.1	5	9.94	0.3	0	0.00
2.1	4	4.08	2.7	0	0.00	TUSCALOOSA	0.7	4	11.42	1.2	0	0.00
1.9	2	2.26	2.4	0	0.00	TYLER	0.6	7	22.93	0.8	0	0.00
12.1	24	4.17	15.8	0	0.00	UTICA	0.1	1	29.39	0.7	0	0.00
3.9	5	2.69	5.3	0	0.00	WACO	0.7	5	14.00	0.1	0	0.00
27.9	71	5.34	48.1	0	0.00	WASHINGTON	7.8	40	10.77	0.9	0	0.00
3.4	3	1.84	4.6	0	0.00	WATERLOO	0.1	0	0.00	10.2	0	0.00
8.4	7	1.75	9.3	0	0.00	W. PALM BEACH	0.9	0	0.00	0.1	0	0.00
7.7	18	4.92	9.4	0	0.00	WHEELING	0.2	1	10.12	0.7	0	0.00
6.8	20	6.14	9.9	0	0.00	WICHITA	0.4	0	0.00	0.2	0	0.00
3.0	7	4.95	3.8	0	0.00	WICHITA FALLS	0.2	0	0.00	0.4	0	0.00
11.1	22	4.15	15.4	0	0.00	WILKES-BARRE	0.0	0	0.00	0.2	0	0.00
7.9	20	5.31	11.0	0	0.00	WILMINGTON	1.0	5	10.82	0.0	0	0.00
2.7	3	2.36	4.0	0	0.00	WINSTON-SALEM	0.8	5	13.49	1.0	0	0.00
20.7	27	2.73	29.4	0	0.00	WORCESTER	0.1	0	0.00	1.1	0	0.00
7.5	24	6.73	9.6	0	0.00	YORK	0.1	0	0.00	0.1	0	0.00
14.1	29	4.33	14.0	0	0.00	YOUNGSTOWN	0.9	2	4.49	0.1	0	0.00
2807.8	6219	4.65	3826.9	0	0.00	TOTAL 201 SMSA	235.4	931	8.30	275.9	0	0.00

ALL AGE STANDARD RATE = 2.10

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CONGENITAL MALFORMATIONS (I.S.C. 750-759)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
22.1	19	10.51	21.6	22	12.47	ABILENE	1.3	3	28.09	1.3	0	0.00
88.9	98	13.11	86.9	78	10.99	AKRON	9.5	8	10.34	9.5	10	12.86
11.3	15	16.27	10.9	16	17.99	ALBANY GA	6.2	9	17.67	6.2	5	9.89
110.8	117	12.90	109.9	103	11.55	ALBANY NY	4.1	5	15.07	4.1	2	5.97
57.1	61	13.09	56.8	47	10.90	ALBUQUERQUE	2.3	0	0.00	2.2	2	10.96
81.7	89	13.36	80.0	73	11.18	ALLENTOWN	1.0	2	24.61	0.9	0	0.00
22.8	27	11.82	22.2	14	7.76	ALTOONA	0.2	0	0.00	0.3	0	0.00
28.4	25	10.77	27.0	27	12.25	AMARILLO	1.9	1	6.42	1.8	2	13.53
29.9	47	19.29	29.3	26	10.97	ANN ARBOR	2.6	1	4.69	2.5	5	24.94
18.9	16	10.37	18.5	16	10.58	ASHEVILLE	2.6	1	4.67	2.5	1	4.92
146.6	176	14.56	143.1	124	10.62	ATLANTA	49.6	55	13.59	52.1	41	9.65
20.9	21	12.39	20.8	19	11.21	ATLANTIC CITY	5.3	4	9.25	5.5	7	15.56
26.8	20	8.51	27.3	29	13.03	AUGUSTA	13.8	6	5.32	14.1	11	9.53
34.5	36	12.78	33.0	31	11.53	AUSTIN	5.5	4	8.95	5.4	3	6.85
53.4	65	14.01	51.9	43	10.16	BAKERSFIELD	4.7	5	13.02	4.5	3	8.09
238.9	266	13.66	234.5	238	12.44	BALTIMORE	83.5	83	12.18	85.4	85	12.19
32.0	21	9.03	31.1	39	15.35	BATON ROUGE	15.9	17	13.14	16.2	9	6.82
22.4	20	10.96	21.9	16	9.13	BAY CITY	0.1	0	0.00	0.2	0	0.00
47.2	35	9.00	45.2	31	8.41	BEAUMONT	14.0	16	13.99	14.2	7	6.03
15.9	19	14.65	15.4	10	7.96	BILLINGS	0.2	0	0.00	0.2	0	0.00
39.2	46	13.76	38.0	41	13.20	BINGHAMTON	0.3	0	0.00	0.3	0	0.00
74.0	72	11.92	71.8	66	11.26	BIRMINGHAM	46.3	43	11.37	47.8	33	8.46
527.6	550	12.92	521.2	486	11.43	BOSTON	19.2	20	12.73	19.5	14	8.79
106.5	121	13.92	105.9	106	12.37	BRIDGEPORT	7.9	9	14.00	7.9	6	9.34
46.5	49	12.91	45.8	46	12.30	BROCKTON	1.1	3	33.79	1.1	4	45.88
35.6	37	12.79	34.1	37	13.28	BROWNSVILLE	0.2	0	0.00	0.3	0	0.00
224.8	233	12.70	221.9	214	11.85	BUFFALO	21.5	29	16.52	21.4	16	9.16
59.2	72	14.90	59.2	66	14.32	CANTON	4.2	5	14.66	4.1	4	11.90
27.0	19	8.63	25.8	20	9.51	CEDAR RAPIDS	0.3	0	0.00	0.3	0	0.00
24.5	20	10.00	24.0	19	10.10	CHAMPAIGN	1.9	2	12.98	1.7	0	0.00
28.6	32	13.78	27.1	16	7.23	CHARLESTON SC	19.0	17	10.95	19.0	12	7.73
43.8	50	13.98	43.2	44	12.48	CHARLESTON WVA	4.8	2	8.71	2.7	1	4.54
38.6	55	16.89	39.2	39	12.52	CHARLOTTE	15.0	13	10.58	15.7	12	9.34
41.5	44	13.60	41.2	46	13.68	CHATTANOOGA	9.9	14	17.33	10.3	8	9.56
943.8	920	11.99	923.7	799	10.07	CHICAGO	214.3	132	7.55	218.1	164	9.21
177.9	191	13.19	176.8	185	12.82	CINCINNATI	27.8	30	13.20	28.7	27	11.54
273.9	279	12.21	267.9	275	12.60	CLEVELAND	57.4	73	15.59	58.0	63	13.10
26.9	29	13.19	24.2	17	7.96	COLORADO SPRGS	1.6	4	31.35	1.5	1	7.07
32.6	27	10.16	30.5	24	9.63	COLUMBIA	16.4	20	14.95	16.9	14	10.22
31.5	45	17.49	30.2	20	8.11	COLUMBUS GA	13.8	12	10.67	14.3	17	14.60
118.4	117	12.11	116.2	104	10.97	COLUMBUS OHIO	17.8	11	7.57	18.2	18	12.15
47.1	46	11.97	45.7	59	15.82	CORPUS CHRISTI	2.3	2	10.51	2.1	2	11.45
171.9	175	12.47	169.9	167	12.06	DALLAS	38.0	26	8.39	37.2	40	12.96
49.6	52	12.84	47.9	51	13.06	DAVENPORT	1.5	0	0.00	1.5	0	0.00
121.6	119	11.99	119.3	100	10.36	DAYTON	15.7	39	23.37	16.1	18	13.70
20.6	17	10.09	20.1	16	9.76	DECATUR	1.5	0	0.00	1.5	3	23.94
173.3	177	12.52	169.8	169	12.19	DENVER	9.0	9	12.24	8.9	6	8.29
48.1	58	14.78	47.2	48	12.47	DES MOINES	2.3	3	15.68	2.4	1	5.11
627.2	689	13.46	606.8	553	11.13	DETROIT	124.4	131	12.90	124.4	95	9.36
16.7	23	16.80	16.6	18	13.30	DUBUQUE	0.0	0	0.00	0.0	0	0.00
51.2	67	16.04	49.6	41	10.12	DULUTH	0.6	1	20.69	0.6	1	19.63
12.7	15	14.52	12.6	11	10.66	DURHAM	6.6	8	14.81	7.2	5	8.45
70.7	90	17.19	69.3	54	9.55	EL PASO	2.6	3	14.32	2.5	0	0.00
46.2	50	13.26	46.8	46	12.54	ERIE	1.8	3	20.68	1.9	6	37.94
29.6	27	11.19	29.3	34	14.22	EUGENE	0.2	1	50.19	0.3	0	0.00
34.0	39	14.09	33.0	34	12.63	EVANSVILLE	2.6	2	9.50	2.7	0	0.00
65.4	68	12.76	66.7	43	8.16	FALL RIVER	1.1	1	11.22	1.1	2	22.42
21.5	22	12.52	20.9	27	15.82	FARGO	0.1	0	0.00	0.1	0	0.00
72.4	79	13.36	70.4	69	12.01	FLINT	10.2	14	16.74	10.1	11	13.37
43.1	52	14.79	42.5	35	10.10	FT. LAUDERDALE	14.8	15	12.45	15.6	15	11.80
10.3	11	13.09	10.6	9	10.65	FORT SMITH	1.0	2	24.10	1.1	2	23.15
43.3	41	11.59	42.5	37	10.66	FORT WAYNE	3.3	5	18.40	3.3	2	7.43
96.7	98	12.42	96.1	90	11.46	FORT WORTH	14.3	19	16.33	14.2	15	12.94
64.4	60	11.41	62.8	62	12.09	FRESNO	6.2	6	11.88	5.7	6	12.92
14.4	19	16.19	13.9	17	14.99	GADSDEN	3.2	4	15.18	3.3	2	7.45
20.4	20	12.03	19.5	18	11.32	GALVESTON	6.5	11	20.84	6.4	8	15.38
100.3	93	11.36	95.8	97	12.41	GARY	21.3	25	14.35	22.0	23	12.80
70.0	87	15.29	68.3	56	10.05	GRAND RAPIDS	3.9	3	9.54	3.9	4	12.41
15.5	15	11.86	15.3	18	14.43	GREAT FALLS	0.5	0	0.00	0.4	2	56.05
26.9	37	16.94	26.1	40	18.81	GREEN BAY	0.3	0	0.00	0.3	0	0.00
35.3	30	10.54	35.5	30	10.35	GREENSBORO	11.0	12	13.36	11.0	8	8.94
32.3	36	13.68	31.5	30	11.68	GREENVILLE	8.1	16	24.12	8.4	15	21.94
37.7	38	12.34	35.7	27	9.27	HAMILTON	2.4	2	10.27	2.4	2	10.36
55.0	63	14.03	54.5	44	9.89	HARRISBURG	5.1	5	12.01	4.9	3	7.50
119.1	121	12.45	117.8	122	12.69	HARTFORD	8.1	7	10.64	7.8	10	15.79
37.9	31	10.03	35.3	27	9.38	HONOLULU	68.6	68	12.15	65.4	58	10.87
195.0	181	11.37	191.1	165	10.58	HOUSTON	58.5	61	12.77	58.0	55	11.44
43.5	52	14.65	42.4	47	13.58	HUNTINGTON	1.3	2	18.56	1.4	3	26.73
20.0	22	13.47	19.4	21	13.29	HUNTSVILLE	4.8	0	0.00	5.1	4	9.53
114.1	123	13.21	112.1	119	13.00	INDIANAPOLIS	22.9	28	15.26	22.9	29	15.54
24.0	22	11.22	23.5	17	8.86	JACKSON MICH	1.4	4	35.51	1.2	1	10.64
20.8	19	11.18	20.5	15	8.96	JACKSON MISS	17.6	15	10.43	18.3	3	2.01
68.1	96	17.24	66.4	70	12.91	JACKSONVILLE	23.8	31	15.97	24.2	35	17.72
88.2	121	16.81	86.6	95	13.43	JERSEY CITY	10.1	8	9.68	10.3	12	14.21
48.5	39	9.84	47.8	49	12.55	JOHNSTOWN	0.8	1	15.69	0.7	1	17.74
31.5	29	11.28	30.8	33	13.12	KALAMAZOO	1.5	3	24.78	1.5	3	24.63
172.9	218	15.45	169.3	173	12.52	KANSAS CITY	27.1	27	12.21	27.5	24	10.67
19.7	25	15.52	18.9	22	14.23	KENOSHA	0.3	0	0.00	0.3	0	0.00
60.3	65	13.20	58.2	55	11.58	KNOXVILLE	5.5	4	8.96	5.7	7	15.06
26.0	29	13.66	25.2	14	6.81	LAKE CHARLES	7.6	2	3.24	7.6	6	9.62
50.2	59	14.39	49.7	38	9.36	LANCASTER	0.8	2	28.98	0.9	1	13.13
57.8	53	11.26	56.6	44	9.52	LANSING	2.0	0	0.00	2.0	3	18.12
14.7	24	19.97	14.7	12	10.00	LAREDO	0.1	0	0.00	0.1	0	0.00
21.9	23	12.84	21.6	22	12.61	LAS VEGAS	3.4	3	10.91	3.3	6	22.47
16.6	24	17.76	15.3	14	11.25	LAWTON	2.8	1	4.45	2.6	1	4.68
20.4	20	12.04	19.6	11	6.88	LEXINGTON	4.0	5	15.37	4.0	2	6.07
18.4	21	13.96	17.8	17	11.71	LIMA	1.9	1	6.59	1.8	1	6.90
29.3	44	18.62	28.5	34	14.61	LINCOLN	0.8	1	15.65	0.7	1	17.83
34.4	41	14.61	33.9	36	13.01	LITTLE ROCK	12.0	10	10.25	11.7	6	6.28
42.7	50	14.35	41.7	36	10.58	LORAIN	3.1	3	11.74	3.1	1	3.90
1088.2	1178	13.26	1068.8	944	10.82	LOS ANGELES	129.5	134	12.68	129.4	129	12.21

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

CONGENITAL MALFORMATIONS (I.S.C. 750-759)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
124.5	146	14.37	122.7	116	11.58	LOUISVILLE	18.2	20	13.47	18.2	11	7.62
30.7	44	17.59	30.1	24	9.78	LUBBOCK	3.3	1	3.74	3.6	3	10.35
14.8	19	15.70	14.5	18	15.25	LYNCHBURG	4.8	6	15.35	4.8	5	12.84
24.0	29	14.78	23.4	22	11.50	MACON	12.2	20	20.06	12.7	17	16.45
44.4	46	12.69	42.6	38	10.92	MADISON	0.6	0	0.00	0.6	1	19.71
31.6	33	12.81	31.7	31	11.98	MANCHESTER	0.1	0	0.00	0.1	0	0.00
72.7	78	13.14	71.2	67	11.53	MEMPHIS	92.6	45	10.49	56.4	39	8.79
123.2	149	14.81	119.9	110	11.24	MIAMI	34.0	37	13.34	34.0	44	15.87
13.5	11	9.98	13.6	11	9.89	MIDLAND	1.4	2	17.00	1.5	1	7.92
212.1	244	14.10	207.3	200	11.82	MILWAUKEE	18.9	27	17.55	18.8	15	9.80
294.6	322	13.39	290.9	295	12.42	MINNEAPOLIS	6.8	5	9.07	6.3	6	11.63
42.7	33	9.46	41.5	44	12.98	MOBILE	24.1	23	11.69	24.6	15	7.46
13.2	12	11.17	12.9	8	7.58	MONROE	7.9	6	9.26	7.6	6	9.63
20.3	21	12.65	19.8	17	10.56	MONTGOMERY	14.3	14	12.01	14.9	12	9.87
19.5	24	15.09	19.1	14	9.98	MUNCIE	1.2	3	29.72	1.2	0	0.00
28.2	30	13.02	27.5	27	12.03	MUSKEGON	3.3	7	26.01	3.4	6	21.69
58.0	50	10.56	57.8	59	12.51	NASHVILLE	15.1	21	17.08	15.8	16	12.40
235.9	249	12.93	234.6	232	12.12	NEWARK	48.1	63	16.06	49.0	46	11.50
108.9	126	13.95	106.9	95	10.89	NEW HAVEN	8.8	13	18.00	8.6	8	11.36
103.9	117	13.16	107.4	114	13.01	NEW ORLEANS	62.7	104	20.32	62.4	75	14.73
32.9	50	18.65	31.5	29	11.28	NEWPORT NEWS	13.5	19	17.22	[illegible]	16	14.49
1468.8	1647	13.74	1453.9	1320	11.12	NEW YORK	244.8	279	13.97	[illegible]	247	[illegible]
84.8	98	14.15	80.1	93	14.23	NORFOLK	34.2	45	16.14	34.8	34	11.97
18.9	18	11.65	18.5	11	7.30	ODESSA	1.2	0	0.00	1.2	2	20.25
23.6	20	10.38	22.9	27	14.46	OGDEN	0.7	0	0.00	0.6	0	0.00
85.2	105	15.10	83.0	60	10.04	OKLAHOMA CITY	11.8	13	13.46	12.1	8	8.12
85.5	98	14.04	84.2	88	12.80	OMAHA	6.9	13	23.21	6.9	2	3.55
50.0	50	12.25	49.4	32	7.93	ORLANDO	12.3	12	11.95	12.2	7	7.03
193.2	189	11.99	189.6	170	10.99	PATERSON	9.5	6	7.77	9.6	10	12.79
34.4	30	10.68	33.2	30	11.07	PENSACOLA	9.7	9	11.39	9.8	8	10.02
52.3	55	12.88	51.0	43	10.32	PEORIA	2.6	4	18.99	2.7	1	4.58
638.4	662	12.71	625.6	519	10.16	PHILADELPHIA	141.1	176	15.29	144.1	122	10.37
123.5	141	13.99	119.3	104	10.68	PHOENIX	9.4	8	10.43	9.3	4	5.28
391.8	385	12.04	384.6	341	10.86	PITTSBURGH	32.3	29	11.01	32.4	25	9.47
25.1	25	12.22	24.9	20	9.84	PITTSFIELD	0.3	0	0.00	0.3	0	0.00
31.5	31	12.07	31.6	29	11.23	PORTLAND MAINE	0.2	0	0.00	0.1	0	0.00
135.2	159	14.31	132.5	117	10.82	PORTLAND OREG.	5.3	6	13.78	5.6	2	4.40
118.7	146	15.07	117.8	137	14.25	PROVIDENCE	3.6	2	6.72	3.7	2	6.58
23.7	17	8.78	22.5	22	12.00	PROVO	0.1	0	0.00	0.1	0	0.00
22.7	23	12.41	22.5	22	11.96	PUEBLO	0.5	0	0.00	0.5	0	0.00
27.0	29	13.14	26.9	21	9.56	RACINE	1.5	5	39.61	1.6	3	23.33
21.6	29	16.49	21.0	15	8.74	RALEIGH	8.9	8	10.99	9.0	12	16.35
42.6	44	12.66	41.9	33	9.64	READING	1.0	2	23.35	1.0	1	11.75
14.4	9	7.68	13.9	13	11.50	RENO	0.8	2	31.47	0.9	0	0.00
51.1	46	[illegible]	50.5	39	9.46	RICHMOND	21.7	16	9.05	22.0	27	15.04
23.4	32	16.74	23.2	30	15.88	ROANOKE	3.8	5	16.25	4.0	4	12.40
100.1	89	10.89	97.4	76	9.56	ROCHESTER	6.9	9	15.90	7.0	8	13.95
39.7	64	19.77	38.8	33	11.05	ROCKFORD	[illegible]	3	15.75	2.5	1	4.95
91.7	108	14.43	88.3	81	11.24	SACRAMENTO	8.6	12	17.09	8.5	2	2.87
35.5	47	16.21	34.9	38	13.33	SAGINAW	5.2	5	11.78	5.2	8	18.90
14.5	14	11.82	14.5	16	13.51	ST. JOSEPH	0.5	0	0.00	0.5	2	49.90
328.4	349	12.69	322.7	265	10.06	ST. LOUIS	68.1	63	11.33	69.8	50	8.77
83.6	95	13.92	82.0	76	11.35	SALT LAKE CITY	1.1	1	11.57	1.1	2	21.97
11.2	11	12.09	11.0	14	15.59	SAN ANGELO	0.7	0	0.00	0.7	1	18.25
132.6	152	14.06	129.7	159	15.02	SAN ANTONIO	9.8	16	19.98	9.9	3	3.79
147.8	133	11.03	141.9	135	11.66	SAN BERNARDINO	9.4	10	13.08	8.9	6	8.27
183.8	232	15.47	173.4	198	13.99	SAN DIEGO	14.0	20	17.44	13.6	7	6.32
406.3	486	14.59	397.3	363	[illegible]	SAN FRANCISCO	76.5	76	12.50	73.7	69	11.68
127.4	113	10.87	123.0	108	10.76	SAN JOSE	4.5	6	16.32	4.3	6	11.63
30.1	30	12.22	29.0	31	13.11	SANTA BARBARA	1.3	3	28.51	1.3	0	0.00
25.0	35	17.18	24.4	26	13.07	SAVANNAH	13.1	12	11.23	13.9	5	4.42
35.8	51	17.44	36.0	52	17.72	SCRANTON	0.2	0	0.00	0.2	0	0.00
194.3	203	12.80	189.1	147	9.52	SEATTLE	11.5	14	14.89	11.4	8	8.59
35.9	26	8.20	35.5	48	16.57	SHREVEPORT	21.9	26	14.56	22.0	10	5.57
19.6	27	16.85	19.3	15	9.52	SIOUX CITY	0.5	0	0.00	0.5	1	25.55
17.6	15	10.44	17.3	18	12.75	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
40.1	33	10.09	38.7	28	8.87	SOUTH BEND	3.4	1	3.55	3.5	7	24.30
50.5	48	11.65	49.0	50	12.51	SPOKANE	1.4	2	17.81	1.3	4	38.11
24.9	30	14.77	24.4	28	14.07	SPRINGFIELD I.	1.3	1	9.26	1.3	6	55.75
21.0	18	10.52	20.2	22	13.36	SPRINGFIELD MO	0.5	1	27.08	0.5	0	0.00
21.2	11	6.36	20.9	25	14.66	SPRINGFIELD O.	2.5	2	9.78	2.7	1	4.52
91.1	111	14.94	89.1	88	12.11	SPRINGFIELD MA	4.0	4	12.35	4.0	2	6.19
28.6	28	11.90	28.1	36	15.67	STEUBENVILLE	1.5	2	16.75	1.5	4	32.89
38.8	32	10.11	37.4	32	10.47	STOCKTON	5.1	2	4.83	4.7	2	5.18
105.3	114	13.26	101.9	87	10.46	SYRACUSE	3.9	4	12.56	3.7	3	9.87
54.0	63	14.30	52.0	58	13.67	TACOMA	4.4	5	13.81	4.3	4	11.38
102.6	114	13.61	101.3	88	10.65	TAMPA	20.6	17	10.11	20.8	19	11.18
17.2	22	15.66	17.2	19	13.50	TERRE HAUTE	1.1	1	11.59	0.9	1	12.93
11.0	10	11.11	10.7	14	14.06	TEXARKANA	4.8	3	7.64	4.9	1	2.52
76.5	87	13.93	74.2	73	12.06	TOLEDO	9.8	11	13.78	10.2	10	12.03
25.9	28	13.24	25.4	27	13.06	TOPEKA	2.4	2	10.20	2.2	2	11.34
36.7	25	8.34	34.4	31	10.44	TRENTON	7.5	9	14.74	7.4	9	14.87
46.1	46	11.72	46.8	37	9.69	TUCSON	3.7	5	16.60	3.9	4	12.54
68.5	67	11.98	67.4	57	10.36	TULSA	8.5	10	14.46	8.4	3	4.37
12.9	14	13.33	12.7	10	9.64	TUSCALOOSA	7.1	7	12.01	7.3	5	8.41
10.6	5	5.81	10.2	6	7.20	TYLER	5.0	2	4.91	5.0	2	4.87
58.3	105	22.08	58.1	74	15.60	UTICA	1.3	2	18.61	1.3	4	38.12
22.2	17	9.40	21.8	26	14.61	WACO	5.1	8	19.28	5.2	5	11.86
273.4	325	14.57	268.9	255	11.62	WASHINGTON	105.6	116	13.46	106.4	113	13.01
23.5	18	9.39	23.2	24	12.70	WATERLOO	1.3	1	9.30	1.4	3	26.61
27.1	28	12.67	27.2	19	8.55	W. PALM BEACH	11.7	15	15.66	11.9	12	12.35
30.3	42	17.00	30.1	34	13.86	WHEELING	0.8	3	44.83	0.8	0	0.00
66.6	77	14.17	64.5	51	9.69	WICHITA	5.9	11	22.89	6.1	3	6.05
23.6	26	13.52	22.8	21	11.30	WICHITA FALLS	1.9	1	6.38	1.9	3	19.60
50.9	68	16.37	51.1	41	9.84	WILKES-BARRE	0.2	0	0.00	0.2	1	63.96
61.4	59	11.78	59.8	55	11.26	WILMINGTON	10.2	17	20.45	10.1	9	10.91
26.7	38	17.46	26.0	28	[illegible]	WINSTON-SALEM	9.2	6	8.01	9.6	6	7.67
101.1	96	11.63	98.7	90	11.18	WORCESTER	0.9	1	13.95	0.8	1	14.67
41.5	42	12.40	40.7	28	8.44	YORK	1.3	0	0.00	1.4	2	18.08
86.4	96	13.61	83.2	82	12.07	YOUNGSTOWN	10.5	12	13.97	10.9	14	15.80
18145.6	19561	13.21	17766.4	16494	11.37	TOTAL 201 SMSA	2899.9	3075	12.99	2935.1	2621	10.94

ALL AGE STANDARD RATE = 12.25

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
BIRTH INJURY (I.S.C. 760-761)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
10.2	18	9.80	9.9	5	2.81	ABILENE	0.6	0	0.00	0.6	0	0.00
40.6	65	8.89	39.2	31	4.39	AKRON	4.5	12	14.68	4.5	9	11.04
5.4	6	6.17	5.2	2	2.13	ALBANY GA	3.1	4	7.27	[illegible]	2	3.80
49.8	52	5.80	47.8	41	4.76	ALBANY NY	2.0	4	11.27	2.0	3	8.48
27.2	34	6.92	25.9	19	4.07	ALBUQUERQUE	1.1	0	0.00	1.1	0	0.00
36.3	36	5.51	34.8	13	2.08	ALLENTOWN	0.5	2	23.00	0.4	1	12.83
10.1	21	11.51	9.5	16	9.35	ALTOONA	0.1	0	0.00	0.1	0	0.00
13.1	19	8.03	12.5	14	6.23	AMARILLO	0.9	2	12.19	0.9	1	6.35
13.7	18	7.29	13.3	12	5.00	ANN ARBOR	1.2	1	4.61	1.1	1	4.88
8.3	5	3.33	7.9	8	5.61	ASHEVILLE	1.2	0	0.00	1.1	4	20.34
67.4	77	6.34	64.3	42	3.63	ATLANTA	23.7	24	5.62	24.4	12	2.73
9.1	12	7.31	8.8	14	9.83	ATLANTIC CITY	2.4	5	11.40	2.5	3	6.67
13.0	10	4.26	12.4	0	0.00	AUGUSTA	6.6	8	6.78	6.6	6	5.05
15.7	15	5.30	14.8	10	3.75	AUSTIN	2.6	5	10.83	2.4	1	2.28
24.5	26	5.89	23.8	15	3.50	BAKERSFIELD	2.2	3	7.50	2.2	0	0.00
107.8	123	6.34	104.3	69	3.67	BALTIMORE	39.7	65	9.09	40.5	32	4.39
15.0	5	1.85	14.6	4	1.56	BATON ROUGE	7.5	19	14.01	7.6	7	5.13
10.5	9	4.75	9.9	6	3.36	BAY CITY	0.1	0	0.00	0.1	0	0.00
21.7	21	5.37	20.5	16	4.33	BEAUMONT	6.7	18	14.97	6.7	8	6.61
7.4	7	5.24	7.1	6	4.72	BILLINGS	0.1	0	0.00	0.1	0	0.00
18.0	19	5.88	17.0	12	3.92	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
33.6	35	5.78	31.7	19	3.33	BIRMINGHAM	21.9	22	5.58	22.2	20	5.00
238.1	200	4.66	220.1	129	3.13	BOSTON	9.1	14	8.53	9.2	9	5.43
47.6	43	5.01	46.1	29	3.49	BRIDGEPORT	3.8	8	11.62	3.9	4	5.92
21.4	19	4.93	20.7	11	2.94	BROCKTON	0.5	2	21.87	0.5	1	10.90
17.2	25	8.08	16.2	16	5.48	BROWNSVILLE	0.1	0	0.00	0.1	1	39.83
102.5	156	8.34	99.4	104	5.81	BUFFALO	10.5	28	14.86	10.3	25	13.43
26.9	33	6.81	26.1	30	6.39	CANTON	2.0	3	8.35	1.9	2	5.70
12.6	15	6.63	11.7	9	4.27	CEDAR RAPIDS	0.1	1	45.59	0.1	0	0.00
11.2	3	1.49	10.7	11	5.71	CHAMPAIGN	0.9	3	18.31	0.8	0	0.00
13.2	10	4.19	12.7	17	7.46	CHARLESTON SC	9.2	3	1.81	9.1	6	3.68
20.0	10	2.78	19.3	8	2.30	CHARLESTON WVA	1.3	1	4.29	1.2	1	4.64
17.9	23	7.15	17.2	17	5.48	CHARLOTTE	7.2	15	11.51	7.5	7	5.20
18.8	17	5.03	18.3	17	5.17	CHATTANOOGA	4.6	8	9.59	4.7	6	7.10
426.0	433	5.71	410.7	252	3.41	CHICAGO	103.9	83	4.43	104.7	60	3.18
82.1	114	7.71	79.7	59	4.11	CINCINNATI	13.3	32	13.37	13.5	23	9.47
123.9	166	7.44	118.4	139	6.52	CLEVELAND	27.5	48	9.70	28.0	20	3.96
12.4	22	9.87	12.1	15	6.91	COLORADO SPRGS	0.8	0	0.00	0.8	1	7.24
14.4	11	4.24	13.6	7	2.85	COLUMBIA	7.7	10	7.17	7.9	7	4.91
14.6	12	4.56	14.1	7	2.75	COLUMBUS GA	6.5	7	5.94	6.7	3	2.48
55.1	66	6.45	53.2	50	5.22	COLUMBUS OHIO	8.5	15	9.82	8.6	10	6.43
22.4	34	8.44	21.5	17	4.39	CORPUS CHRISTI	1.1	2	9.94	1.0	3	16.79
78.9	98	6.90	76.5	63	4.58	DALLAS	18.5	17	5.11	18.2	10	3.06
22.7	25	6.12	21.5	13	3.36	DAVENPORT	0.7	2	15.57	0.7	0	0.00
56.2	68	6.71	53.9	38	3.92	DAYTON	7.5	19	13.39	7.7	13	9.42
9.4	7	4.12	9.0	9	5.58	DECATUR	0.8	0	0.00	0.7	1	7.45
80.2	116	8.03	77.4	64	4.59	DENVER	4.3	8	10.23	4.2	7	9.18
22.2	23	5.76	21.2	16	4.20	DES MOINES	1.1	6	19.92	1.1	0	0.00
289.9	367	7.03	278.2	265	5.29	DETROIT	59.3	98	5.17	59.6	76	7.20
7.9	11	7.78	7.7	4	2.89	DUBUQUE	0.0	0	0.00	0.0	0	0.00
23.2	36	8.15	22.3	15	3.76	DULUTH	0.3	0	0.00	0.3	1	17.93
5.6	3	2.96	5.4	2	2.06	DURHAM	3.0	10	18.24	3.3	2	3.37
34.0	54	8.83	33.2	29	4.85	EL PASO	1.2	1	4.52	1.3	0	0.00
21.2	44	11.53	20.2	33	9.09	ERIE	0.9	1	6.40	1.0	4	23.29
13.3	23	9.58	13.2	8	3.37	EUGENE	0.1	1	49.14	0.1	0	0.00
15.5	27	9.66	14.6	9	3.43	EVANSVILLE	1.2	3	13.84	1.2	1	4.50
[illegible]	25	4.77	27.9	12	2.39	FALL RIVER	0.5	1	10.94	0.5	0	0.00
10.0	6	3.33	9.6	12	6.91	FARGO	0.1	1	97.02	0.1	0	0.00
34.2	50	8.12	33.0	30	5.05	FLINT	5.1	13	14.14	5.0	10	11.10
18.6	15	4.47	17.9	7	2.17	FT. LAUDERDALE	7.3	13	9.87	7.7	7	5.03
4.6	2	2.43	4.5	1	1.24	FORT SMITH	0.5	1	11.47	0.5	1	11.20
20.1	23	6.35	19.4	22	6.30	FORT WAYNE	1.7	2	6.70	1.6	0	0.00
44.4	49	6.13	42.5	26	3.40	FORT WORTH	6.9	10	8.06	6.8	4	3.29
29.4	28	5.29	28.5	24	4.68	FRESNO	2.9	5	9.56	2.7	2	4.14
6.5	11	9.47	6.1	5	4.56	GADSDEN	1.5	6	21.81	1.5	5	18.05
9.2	10	6.01	8.7	8	5.10	GALVESTON	3.1	3	5.43	3.0	3	5.61
46.7	44	5.23	44.4	21	2.63	GARY	10.4	13	6.95	10.7	4	2.08
32.6	32	5.45	31.2	20	3.56	GRAND RAPIDS	1.9	4	11.77	1.9	4	11.53
7.3	10	7.62	7.2	4	3.07	GREAT FALLS	0.3	1	21.26	0.2	0	0.00
12.7	14	6.11	12.2	14	6.39	GREEN BAY	0.1	0	0.00	0.2	0	0.00
16.1	21	7.23	15.9	21	7.34	GREENSBORO	5.2	7	7.45	5.1	4	4.34
14.8	17	6.38	14.2	7	2.75	GREENVILLE	3.9	7	10.01	3.9	1	1.41
17.5	27	8.55	16.3	18	6.15	HAMILTON	1.1	2	9.71	1.1	0	0.00
24.6	20	4.51	23.9	11	2.56	HARRISBURG	2.4	2	4.59	2.3	3	7.27
54.1	62	6.36	52.8	22	2.31	HARTFORD	3.9	4	5.64	3.8	4	5.90
17.4	12	3.83	16.9	8	2.63	HONOLULU	32.0	40	6.95	30.7	32	5.78
90.5	92	5.65	87.5	66	4.19	HOUSTON	28.4	39	7.63	28.2	27	5.31
19.5	23	6.54	18.6	13	3.87	HUNTINGTON	0.6	1	9.41	0.6	0	0.00
9.4	13	7.69	9.1	3	1.86	HUNTSVILLE	2.3	3	7.24	2.4	1	2.29
52.7	44	4.63	50.7	21	2.30	INDIANAPOLIS	10.8	18	9.24	10.8	6	3.08
11.0	15	7.57	10.7	5	2.58	JACKSON MICH	0.6	0	0.00	0.5	1	10.12
9.6	10	5.78	9.2	5	3.03	JACKSON MISS	8.5	10	6.51	8.7	4	2.55
31.5	26	4.59	30.4	15	2.74	JACKSONVILLE	11.4	8	3.88	11.4	6	2.92
38.3	37	5.37	36.7	16	2.42	JERSEY CITY	4.9	10	11.22	5.0	4	4.46
21.7	49	10.24	21.1	20	5.26	JOHNSTOWN	0.4	0	0.00	0.3	0	0.00
14.5	17	6.50	14.0	6	2.39	KALAMAZOO	0.7	2	15.41	0.7	1	7.69
79.6	68	4.74	76.0	44	3.21	KANSAS CITY	13.1	12	5.09	13.1	8	3.38
9.1	11	6.72	8.7	6	3.86	KENOSHA	0.1	0	0.00	0.2	2	68.16
27.2	17	3.47	25.5	29	6.30	KNOXVILLE	2.6	1	2.17	2.6	1	2.13
12.4	27	12.08	12.0	11	5.10	LAKE CHARLES	3.7	6	9.04	3.7	3	4.49
22.9	16	3.88	22.2	5	1.25	LANCASTER	0.4	0	0.00	0.5	1	12.25
26.8	33	6.84	26.0	28	5.99	LANSING	1.0	1	5.61	1.0	0	0.00
7.1	20	15.72	6.9	6	4.80	LAREDO	0.0	0	0.00	0.0	0	0.00
10.0	21	11.67	9.9	9	5.07	LAS VEGAS	1.7	3	9.96	1.6	2	6.81
7.5	7	5.16	7.2	2	1.53	LAWTON	1.3	2	8.34	1.3	1	4.28
9.3	8	4.79	8.7	3	1.91	LEXINGTON	1.9	3	8.98	1.9	2	5.96
8.5	[illegible]	3.94	8.0	7	4.85	LIMA	0.9	0	0.00	0.9	1	6.42
13.5	[illegible]	6.98	13.0	15	6.42	LINCOLN	0.4	1	15.02	0.3	0	0.00
15.6	[illegible]	1.78	15.1	3	1.10	LITTLE ROCK	5.7	6	5.80	5.5	12	12.12
20.0	33	9.17	19.4	26	7.44	LORAIN	1.5	3	10.90	1.5	3	10.88
491.8	739	8.34	473.5	503	5.90	LOS ANGELES	61.8	131	11.78	61.3	108	9.78

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
BIRTH INJURY (I.S.C. 760-761)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
57.7	58	5.58	55.7	41	4.08	LOUISVILLE	8.7	6	3.84	8.5	5	3.27
14.4	18	6.92	14.1	4	1.57	LUBBOCK	1.6	2	6.87	1.8	1	3.14
6.7	5	4.16	6.3	5	4.44	LYNCHBURG	2.2	5	12.45	2.2	2	5.07
11.1	12	5.98	10.6	8	4.18	MACON	5.8	15	14.26	5.0	7	6.56
20.7	30	8.05	19.8	17	5.40	MADISON	0.3	0	0.00	0.3	1	18.02
14.3	21	8.16	14.1	11	4.35	MANCHESTER	0.0	0	0.00	0.1	0	0.00
33.2	30	5.02	31.8	16	2.79	MEMPHIS	25.3	23	5.04	29.9	18	3.86
53.3	65	6.77	50.6	34	3.73	MIAMI	16.6	26	8.70	16.5	23	7.75
6.4	12	10.34	6.5	3	2.57	MIDLAND	0.7	1	8.00	0.7	0	0.00
97.2	151	8.62	93.5	118	7.01	MILWAUKEE	9.4	21	12.39	9.3	18	10.71
138.1	182	7.32	133.7	111	4.61	MINNEAPOLIS	3.3	6	6.76	3.0	2	3.65
19.9	24	6.70	19.0	17	4.96	MOBILE	11.7	10	4.74	11.8	7	3.30
6.1	2	1.84	5.9	2	1.89	MONROE	3.9	6	8.62	3.6	7	10.79
9.4	5	2.94	9.0	6	2.47	MONTGOMERY	6.8	7	5.68	7.0	3	2.38
8.9	13	8.00	8.6	9	5.83	MUNCIE	0.6	0	0.00	0.5	0	0.00
13.2	20	8.42	12.7	8	3.50	MUSKEGON	1.6	4	13.81	1.7	2	6.72
26.4	22	4.62	24.7	16	3.02	NASHVILLE	7.0	13	10.24	7.3	7	5.34
103.8	124	6.63	100.8	68	3.74	NEWARK	23.0	31	7.49	23.0	22	5.32
48.9	48	5.49	47.2	41	4.83	NEW HAVEN	4.4	7	8.93	4.2	7	9.30
49.7	40	5.47	47.9	23	2.67	NEW ORLEANS	30.3	83	15.19	29.5	71	13.34
15.2	13	4.75	14.7	4	1.51	NEWPORT NEWS	6.4	12	10.43	6.4	3	2.61
640.0	477	4.14	616.9	319	2.87	NEW YORK	114.7	149	7.21	115.5	81	3.89
38.8	36	5.15	37.3	30	4.47	NORFOLK	16.3	28	9.53	16.6	20	6.71
9.0	2	1.24	8.7	5	3.18	ODESSA	0.6	0	0.00	0.6	0	0.00
11.2	9	4.49	10.7	3	4.66	OGDEN	0.3	1	17.36	0.3	0	0.00
38.8	32	4.57	37.1	29	4.34	OKLAHOMA CITY	5.8	5	4.80	5.8	7	6.67
39.8	56	7.82	38.6	34	4.89	OMAHA	3.3	5	8.29	3.4	5	8.27
22.9	31	7.50	22.4	20	4.96	ORLANDO	5.9	10	9.41	5.9	5	4.74
86.0	80	5.16	82.6	49	3.29	PATERSON	4.5	6	7.34	4.5	1	1.24
16.1	22	7.59	15.5	6	2.15	PENSACOLA	4.7	8	9.36	4.7	4	4.69
23.9	19	4.41	23.0	18	4.35	PEORIA	1.3	2	8.81	1.3	2	8.56
286.7	315	6.10	276.0	232	4.67	PHILADELPHIA	66.7	116	9.66	67.2	106	8.76
56.9	65	4.39	54.9	40	4.07	PHOENIX	4.6	3	3.63	4.5	3	3.67
176.1	189	5.96	169.6	156	5.11	PITTSBURGH	15.0	30	11.14	14.8	25	9.35
11.3	11	5.40	11.1	9	4.52	PITTSFIELD	0.2	1	36.04	0.1	0	0.00
14.1	21	8.27	13.9	15	5.98	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
60.0	86	7.95	57.6	56	5.40	PORTLAND OREG.	2.5	2	4.42	2.7	7	14.53
53.0	61	6.39	51.2	42	4.55	PROVIDENCE	1.8	2	6.26	1.8	6	18.44
11.2	9	4.45	10.5	4	2.11	PROVO	0.0	0	0.00	0.0	0	0.00
10.5	9	4.78	10.3	10	5.30	PUEBLO	0.2	0	0.00	0.2	0	0.00
12.5	9	3.99	12.4	13	5.83	RACINE	0.8	1	7.19	0.8	0	0.00
9.7	6	3.45	9.3	8	4.78	RALEIGH	4.2	13	17.36	4.1	5	6.72
18.6	26	7.18	17.8	9	2.81	READING	0.5	1	11.13	0.5	0	0.00
6.4	10	8.65	6.2	6	5.39	RENO	0.4	1	15.02	0.4	1	12.91
23.0	28	6.75	22.0	14	3.54	RICHMOND	10.2	9	4.91	10.1	4	2.19
10.5	13	6.90	10.1	9	4.96	ROANOKE	1.7	2	6.44	1.8	3	9.27
45.4	49	5.99	42.9	36	4.66	ROCHESTER	3.5	7	11.21	3.5	0	0.00
18.4	21	6.34	17.7	19	5.95	ROCKFORD	1.2	3	14.37	1.2	2	9.06
42.3	45	5.91	40.5	39	5.35	SACRAMENTO	4.1	7	9.55	4.1	4	5.39
16.6	10	3.34	16.2	12	4.12	SAGINAW	2.6	0	0.00	2.6	4	8.64
6.4	9	7.77	6.3	5	4.46	ST. JOSEPH	0.3	0	0.00	0.2	0	0.00
150.8	196	7.23	144.7	104	3.99	ST. LOUIS	32.9	44	7.42	33.2	42	7.03
39.8	20	2.79	38.6	22	3.17	SALT LAKE CITY	0.5	2	22.96	0.5	0	0.00
5.1	2	2.19	4.9	2	2.26	SAN ANGELO	0.3	2	36.38	0.3	0	0.00
62.0	104	9.32	60.1	66	6.09	SAN ANTONIO	4.6	5	6.03	4.7	5	5.96
67.6	96	7.88	64.2	64	5.53	SAN BERNARDINO	4.5	4	4.93	4.3	5	6.41
82.9	111	7.43	79.0	91	6.30	SAN DIEGO	6.8	13	10.68	6.7	7	5.80
179.7	211	6.52	173.0	134	4.30	SAN FRANCISCO	35.0	60	9.51	34.9	37	5.89
59.6	63	5.87	56.8	46	4.50	SAN JOSE	2.1	1	2.62	2.0	1	2.72
13.7	16	6.49	13.0	11	4.70	SANTA BARBARA	0.6	1	9.46	0.6	2	18.15
11.7	18	8.56	11.2	9	4.47	SAVANNAH	6.2	10	9.01	6.4	4	3.45
15.6	22	7.85	15.1	17	6.25	SCRANTON	0.1	0	0.00	0.1	0	0.00
88.3	92	5.78	84.8	53	3.47	SEATTLE	5.4	5	5.14	5.5	4	4.07
16.6	13	4.34	16.2	8	2.75	SHREVEPORT	10.5	4	2.11	10.3	7	3.76
8.9	17	10.56	8.6	9	5.79	SIOUX CITY	0.2	0	0.00	0.2	1	23.95
8.2	8	5.30	8.0	4	2.79	SIOUX FALLS	0.0	0	0.00	0.1	0	0.00
18.0	13	4.02	17.2	9	2.91	SOUTH BEND	1.7	5	16.63	1.7	5	16.30
22.9	22	5.33	21.9	18	4.56	SPOKANE	0.7	0	0.00	0.6	2	17.81
11.3	9	4.63	10.7	10	5.20	SPRINGFIELD I.	0.6	0	0.00	0.6	1	9.01
9.4	5	2.96	8.7	4	2.56	SPRINGFIELD MO	0.2	1	27.62	0.2	0	0.00
9.5	14	8.12	9.2	9	5.42	SPRINGFIELD O.	1.2	2	9.44	1.3	1	4.38
41.1	50	7.07	39.2	34	4.82	SPRINGFIELD MA	1.9	7	20.01	1.9	3	8.62
13.0	24	10.27	12.5	13	5.75	STEUBENVILLE	0.7	1	8.24	0.7	0	0.00
17.1	13	4.23	16.5	14	4.70	STOCKTON	2.3	4	9.83	2.3	1	2.47
48.5	92	10.54	46.0	47	5.67	SYRACUSE	1.9	7	20.16	1.8	2	6.08
24.0	30	6.95	23.2	13	3.11	TACOMA	2.2	1	2.56	2.2	2	5.11
44.0	52	6.57	42.0	34	4.49	TAMPA	9.9	21	11.73	10.0	6	3.35
7.6	10	7.27	7.5	8	5.94	TERRE HAUTE	0.5	1	11.16	0.4	1	12.70
4.8	2	2.32	4.5	2	2.45	TEXARKANA	2.3	1	2.44	2.2	1	2.47
34.9	37	5.89	33.1	22	3.69	TOLEDO	4.7	10	11.84	4.9	5	5.70
12.1	20	9.20	11.6	4	1.91	TOPEKA	1.2	0	0.00	1.0	3	16.48
16.0	13	4.52	15.7	13	4.61	TRENTON	3.6	7	10.92	3.5	6	9.49
22.1	32	8.04	21.3	19	4.96	TUCSON	1.7	7	22.31	1.9	4	11.78
31.1	33	5.89	30.0	23	4.26	TULSA	4.1	5	6.85	3.9	8	11.3[illegible]
5.6	8	7.86	5.6	7	6.99	TUSCALOOSA	3.4	3	4.85	3.4	2	3.23
4.7	3	3.56	4.4	0	0.00	TYLER	2.4	0	0.00	2.3	0	0.00
26.3	27	5.70	25.9	16	3.42	UTICA	0.6	0	0.00	0.6	1	8.84
10.0	8	4.46	9.7	11	6.32	WACO	2.4	4	9.27	2.4	1	2.32
124.7	157	6.99	120.4	103	4.75	WASHINGTON	50.1	51	5.65	49.9	36	4.00
10.9	7	3.56	10.6	11	5.76	WATERLOO	0.6	0	0.00	0.7	0	0.00
11.7	13	6.17	11.5	13	6.26	W. PALM BEACH	5.6	11	10.98	5.8	6	5.78
13.3	14	5.85	13.0	7	3.00	WHEELING	0.4	0	0.00	0.4	0	0.00
31.3	34	6.03	29.8	26	4.84	WICHITA	2.9	6	11.40	3.0	2	3.69
10.8	8	4.11	10.5	5	2.65	WICHITA FALLS	0.9	0	0.00	0.9	3	18.98
21.8	31	7.91	21.1	19	5.00	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
28.3	26	5.11	27.1	10	2.05	WILMINGTON	4.9	7	8.00	4.8	7	8.10
12.3	12	5.44	11.6	11	5.26	WINSTON-SALEM	4.3	7	9.01	4.4	7	8.86
45.4	53	6.48	43.3	25	3.21	WORCESTER	0.4	0	0.00	0.4	0	0.00
18.7	21	6.23	18.0	15	4.62	YORK	0.6	0	0.00	0.7	0	0.00
39.4	46	6.47	37.4	30	4.46	YOUNGSTOWN	5.0	7	7.75	5.2	6	6.41
8230.6	9344	6.30	7918.8	6097	4.28	TOTAL 201 SMSA	1385.3	2051	8.22	1387.3	1430	5.72

ALL AGE STANDARD RATE = 5.55

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
POSTNATAL ASPHYXIA AND ATELECTASIS AND IMMATURITY (I.S.C. 762,774,776)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
42.9	31	18.89	41.5	27	19.18	ABILENE	2.6	2	17.85	2.6	1	8.86
170.7	162	22.15	166.8	114	16.15	AKRON	19.1	28	34.25	19.0	34	41.69
22.7	25	25.72	21.9	16	17.06	ALBANY GA	12.8	14	25.43	12.3	29	55.09
209.2	221	24.66	201.1	140	16.25	ALBANY NY	8.3	21	59.17	8.3	13	36.74
114.6	149	30.36	109.8	116	24.45	ALBUQUERQUE	4.8	18	87.43	4.6	8	40.42
152.5	107	16.38	146.1	85	13.76	ALLENTOWN	2.0	2	23.00	1.8	2	25.65
42.6	33	18.00	39.9	29	16.96	ALTOONA	0.5	0	0.00	0.5	1	44.00
55.2	59	24.93	52.4	58	25.83	AMARILLO	3.8	9	56.84	3.7	8	50.79
57.6	38	15.39	56.0	27	11.25	ANN ARBOR	5.1	12	55.37	4.8	7	34.18
35.0	52	34.67	33.3	26	16.82	ASHEVILLE	5.0	13	60.14	4.6	9	45.77
283.3	309	25.44	270.6	197	17.01	ATLANTA	99.6	168	39.35	102.7	149	33.85
38.3	29	17.05	37.0	25	15.76	ATLANTIC CITY	10.2	28	63.83	10.5	19	42.22
56.7	61	26.01	52.2	43	19.21	AUGUSTA	27.5	31	26.27	27.7	17	14.31
66.0	76	26.87	63.3	48	17.98	AUSTIN	10.8	29	62.81	10.3	12	27.32
103.0	109	23.39	100.0	57	13.30	BAKERSFIELD	9.3	21	52.49	9.1	17	43.38
453.0	466	24.01	439.5	316	16.82	BALTIMORE	166.9	332	46.43	170.1	323	46.31
62.9	58	21.87	60.4	41	15.83	BATON ROUGE	31.7	53	39.07	31.8	48	35.19
46.2	41	21.65	41.7	37	20.70	BAY CITY	0.2	1	108.11	0.4	0	0.00
91.3	91	23.27	86.3	55	14.88	BEAUMONT	28.1	49	40.74	28.2	34	28.09
31.2	36	26.96	29.7	26	20.44	BILLINGS	0.4	0	0.00	0.4	0	0.00
75.5	70	21.65	71.5	71	23.19	BINGHAMTON	0.6	1	40.25	0.5	2	96.60
141.3	143	23.62	133.1	88	15.43	BIRMINGHAM	92.0	126	31.95	93.3	110	27.51
1000.8	1010	23.55	967.9	696	16.87	BOSTON	38.3	82	49.96	38.7	66	39.80
200.2	186	21.69	193.8	140	16.86	BRIDGEPORT	16.1	43	62.46	15.8	28	41.46
89.9	104	27.00	87.2	55	14.72	BROCKTON	2.1	3	32.81	2.1	1	10.90
72.2	64	20.69	68.1	31	10.63	BROWNSVILLE	0.5	0	0.00	0.6	1	39.83
431.0	429	23.23	417.8	310	17.32	BUFFALO	44.0	92	48.83	43.5	69	37.06
113.1	135	27.85	109.6	92	19.60	CANTON	8.4	16	44.52	8.2	13	37.04
52.8	[illegible]	15.47	49.2	32	15.18	CEDAR RAPIDS	0.5	0	0.00	0.6	0	0.00
47.0	49	24.32	44.9	24	17.47	CHAMPA.GN	3.8	7	42.72	3.5	6	40.54
55.7	72	30.18	53.2	32	14.04	CHARLESTON SC	38.7	59	35.55	38.1	40	24.52
63.9	83	23.09	61.2	57	14.38	CHARLESTON WVA	5.4	14	60.06	5.0	8	37.10
75.1	66	20.51	72.6	45	14.90	CHARLOTTE	30.4	77	59.08	31.4	55	40.85
78.9	96	28.39	76.7	59	17.95	CHATTANOOGA	19.5	43	51.56	19.7	44	52.09
1790.4	2011	26.21	1726.0	1304	17.63	CHICAGO	436.8	985	52.68	440.2	862	45.70
345.2	289	19.54	334.8	195	13.59	CINCINNATI	55.8	103	43.05	56.7	89	36.66
520.9	473	21.19	497.8	396	19.10	CLEVELAND	115.5	211	42.62	117.8	186	36.86
52.0	64	29.62	50.6	45	20.76	COLORADO SPRGS	3.2	7	50.74	3.2	2	14.67
60.6	62	23.89	57.4	45	14.26	COLUMBIA	32.6	32	22.94	33.3	27	18.95
61.4	80	30.41	59.4	51	20.03	COLUMBUS GA	27.5	45	38.20	28.2	46	38.05
231.5	202	20.36	223.7	142	14.82	COLUMBUS OHIO	35.6	70	45.83	36.3	48	30.88
94.0	98	26.37	90.6	74	19.11	CORPUS CHRISTI	4.7	5	24.86	4.2	10	55.98
331.5	349	26.5[illegible]	321.3	208	15.11	DALLAS	77.7	138	41.45	76.4	95	29.03
95.3	108	28.49	92.6	80	20.65	DAVENPORT	3.0	6	46.72	3.0	12	92.29
236.4	234	23.11	226.4	193	15.77	DAYTON	31.7	72	53.01	32.2	67	48.54
39.6	44	25.01	37.7	28	17.35	DECATUR	3.2	6	44.08	3.1	6	44.69
337.2	376	26.02	325.2	246	17.65	DENVER	18.2	27	34.54	17.8	29	38.04
93.2	90	22.55	88.9	54	14.17	DES MOINES	4.7	12	59.75	4.7	10	49.46
1218.3	1189	22.76	1169.2	910	19.16	DETROIT	249.3	468	41.94	246.4	339	32.11
33.0	23	16.26	32.3	17	12.29	DUBUQUE	0.1	0	0.00	0.1	0	0.00
97.4	64	20.12	93.7	66	16.43	DULUTH	1.2	0	0.00	1.3	0	0.00
23.7	23	22.69	22.7	12	17.36	DURHAM	12.8	28	51.08	13.8	20	33.74
142.8	224	37.27	139.5	168	28.11	EL PASO	5.2	8	36.17	5.3	6	26.28
89.1	63	16.51	84.8	61	16.90	ERIE	3.6	8	51.22	4.0	4	23.29
56.0	52	21.67	55.4	32	13.48	EUGENE	0.5	3	147.42	0.5	2	81.37
65.2	55	19.68	61.3	45	17.19	EVANSVILLE	5.1	7	32.30	5.2	9	40.49
122.3	108	20.03	117.1	93	18.53	FALL RIVER	2.1	6	43.74	2.1	0	0.00
42.1	38	21.07	40.5	23	13.24	FARGO	0.2	0	0.00	0.3	0	0.00
143.7	144	23.38	138.6	112	18.96	FLINT	21.5	45	48.94	21.0	42	46.63
78.3	82	24.46	75.3	64	19.86	FT. LAUDERDALE	30.7	67	50.89	32.5	44	31.59
19.2	16	17.04	18.8	13	16.10	FORT SMITH	2.0	3	34.40	2.1	0	0.00
84.5	72	19.89	81.5	51	16.61	FORT WAYNE	7.0	9	39.14	6.8	11	37.53
186.6	192	24.02	178.6	109	14.26	FORT WORTH	29.0	49	39.49	28.4	44	36.17
123.6	110	20.79	119.6	71	13.86	FRESNO	12.2	13	24.84	11.3	11	22.78
27.1	33	28.49	25.6	36	32.85	GADSDEN	6.4	13	47.25	6.5	5	18.05
38.9	50	30.03	36.6	36	21.67	GALVESTON	12.9	23	41.65	12.5	21	39.26
196.2	236	28.07	186.6	131	16.38	GARY	43.7	89	47.57	46.8	46	23.94
137.2	123	20.93	131.3	94	16.71	GRAND RAPIDS	7.9	21	61.79	8.1	12	36.58
30.6	32	24.37	30.4	21	16.14	GREAT FALLS	1.1	3	63.77	0.9	0	0.00
53.5	36	15.70	51.2	38	17.33	GREEN BAY	0.6	0	0.00	0.7	1	36.40
67.8	57	19.63	66.8	56	19.57	GREENSBORO	21.9	47	50.05	21.5	31	33.63
62.2	47	17.64	59.5	39	15.[illegible]	GREENVILLE	16.3	28	40.06	16.6	21	29.58
73.7	77	24.37	69.3	61	20.[illegible]	HAMILTON	4.8	4	19.43	4.7	9	44.69
103.6	96	21.66	100.4	66	15.34	HARRISBURG	10.2	25	57.33	9.6	16	38.78
227.5	226	23.19	221.8	164	17.25	HARTFORD	16.6	44	61.99	15.8	31	45.73
73.1	60	19.15	71.1	51	16.75	HONOLULU	134.4	165	28.65	129.2	124	22.41
380.2	405	24.86	367.6	273	17.33	HOUSTON	119.2	176	34.45	118.7	164	32.24
82.1	88	25.02	78.6	76	22.64	HUNTINGTON	2.5	5	47.06	2.6	3	27.29
39.5	36	21.29	38.1	20	12.25	HUNTSVILLE	9.7	8	19.31	10.2	9	20.58
221.7	263	27.69	212.9	175	19.18	INDIANAPOLIS	45.5	93	47.74	45.5	76	38.98
46.2	68	34.32	45.2	42	21.71	JACKSON MICH	2.5	8	75.49	2.3	4	40.67
40.4	31	17.93	38.6	30	18.16	JACKSON MISS	35.8	48	31.26	36.6	37	23.58
132.2	150	26.49	127.7	103	18.82	JACKSONVILLE	48.1	111	53.90	48.0	84	45.71
160.9	160	23.21	154.3	142	21.48	JERSEY CITY	20.8	50	56.11	20.9	54	60.19
91.2	90	23.06	88.7	62	16.31	JOHNSTOWN	1.5	2	30.64	1.3	1	17.85
61.0	53	20.26	59.7	41	16.30	KALAMAZOO	3.0	3	23.12	3.0	2	15.38
334.6	263	18.35	319.6	208	15.19	KANSAS CITY	55.0	114	48.38	55.2	111	46.96
38.2	41	25.05	34.5	25	15.99	KENOSHA	0.6	0	0.00	0.7	2	68.18
114.4	123	25.08	107.4	71	15.43	KNOXVILLE	10.8	15	32.55	10.9	12	25.58
52.2	63	28.19	50.3	45	20.86	LAKE CHARLES	15.5	29	43.70	15.6	21	31.45
96.2	105	25.46	93.4	76	18.98	LANCASTER	1.7	4	54.84	1.9	3	36.74
112.6	106	21.98	109.1	73	15.61	LANSING	4.2	7	39.30	4.2	9	50.53
29.7	45	35.36	29.2	20	16.00	LAREDO	0.2	0	0.00	0.2	0	0.00
42.0	55	30.57	41.4	43	24.22	LAS VEGAS	7.0	10	33.19	6.9	10	34.03
31.7	31	22.85	30.4	38	29.14	LAWTON	5.6	12	50.06	5.5	5	21.40
35.0	29	17.37	36.7	36	22.92	LEXINGTON	7.8	20	59.87	7.8	16	47.71
35.5	39	25.61	33.7	25	17.31	LIMA	3.8	8	49.30	3.6	5	32.12
56.8	66	27.10	54.5	36	15.41	LINCOLN	1.6	4	60.06	1.4	3	49.36
65.6	91	32.35	63.6	64	23.49	LITTLE ROCK	24.2	41	39.61	23.1	30	30.31
84.0	86	18.35	81.6	62	17.74	LORAIN	6.4	8	29.08	6.4	12	43.54
2067.2	1761	19.66	1990.3	1263	14.81	LOS ANGELES	259.6	337	30.30	257.8	279	25.26

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POSTNATAL ASPHYXIA AND ATELECTASIS AND IMMATURITY (I.S.C. 762,774,776)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
242.6	253	24.34	234.3	199	19.83	LOUISVILLE	36.5	82	52.48	35.7	64	41.87
60.7	80	30.77	59.3	49	19.29	LUBBOCK	6.8	19	65.30	7.4	13	40.86
28.0	21	17.48	26.3	11	9.76	LYNCHBURG	9.4	20	49.79	9.2	16	40.58
46.8	50	24.91	44.7	28	14.63	MACON	24.5	22	20.92	24.9	39	36.54
87.1	60	16.07	82.3	60	17.01	MADISON	1.3	1	18.55	1.3	0	0.00
60.0	48	18.06	59.1	38	15.01	MANCHESTER	0.2	0	0.00	0.2	0	0.00
139.5	161	26.34	133.8	113	19.71	MEMPHIS	106.5	203	44.48	108.7	184	39.50
224.2	204	21.24	212.7	168	18.43	MIAMI	69.7	97	32.46	69.3	78	26.28
27.1	17	14.65	27.2	17	14.56	MIDLAND	2.9	4	32.00	3.1	3	22.30
408.6	319	18.22	393.1	267	15.85	MILWAUKEE	39.6	54	31.83	39.2	40	23.79
580.3	592	23.81	561.8	397	16.49	MINNEAPOLIS	13.8	22	37.20	12.8	17	31.05
83.7	67	18.69	80.0	56	16.33	MOBILE	49.2	89	42.22	49.5	73	34.43
25.4	17	15.60	24.7	10	9.46	MONROE	16.2	25	35.91	15.1	23	35.46
39.7	47	27.63	37.8	31	19.12	MONTGOMERY	28.8	41	33.28	29.5	32	25.34
37.5	33	20.54	36.0	26	16.85	MUNCIE	2.4	6	57.48	2.2	4	41.81
55.4	56	22.75	53.4	31	13.56	MUSKEGON	6.8	8	27.62	7.0	15	50.36
111.1	116	24.37	108.2	60	12.95	NASHVILLE	29.6	57	44.91	30.6	41	31.27
436.2	425	22.74	423.8	326	17.95	NEWARK	96.6	291	70.32	96.5	251	60.70
205.4	172	19.55	198.2	102	12.01	NEW HAVEN	18.3	29	37.01	17.6	21	27.90
208.9	229	25.58	201.2	165	19.14	NEW ORLEANS	127.5	197	36.05	124.2	172	32.33
63.8	77	28.15	61.9	52	19.61	NEWPORT NEWS	26.9	49	42.58	26.8	35	30.46
2690.0	2852	24.74	2592.8	2082	18.74	NEW YORK	482.0	1415	68.51	485.3	1115	53.62
163.1	195	27.90	156.6	140	20.87	NORFOLK	68.6	143	48.65	69.6	122	40.93
37.7	36	22.29	35.7	32	20.33	ODESSA	2.6	3	27.42	2.5	0	0.00
46.9	46	22.91	45.0	35	18.14	OGDEN	1.3	1	17.36	1.2	1	19.81
163.2	162	23.16	155.9	109	16.31	OKLAHOMA CITY	24.3	39	37.47	24.5	31	29.52
167.2	202	28.20	162.4	144	20.69	OMAHA	14.1	32	53.08	14.1	25	41.33
96.4	98	23.72	94.1	80	19.84	ORLANDO	24.8	30	28.22	24.6	26	24.67
361.6	320	20.65	347.4	235	15.79	PATERSON	19.1	48	58.74	18.8	42	52.14
67.6	82	28.30	65.1	45	16.14	PENSACOLA	19.9	38	44.46	19.9	36	42.17
100.7	117	27.13	96.7	74	17.87	PEORIA	5.3	14	61.67	5.5	11	47.09
1204.8	1169	22.64	1160.0	823	16.56	PHILADELPHIA	280.2	543	45.22	282.5	517	42.70
239.1	300	29.28	229.2	191	19.45	PHOENIX	19.3	42	50.77	19.1	23	28.15
740.1	621	19.58	712.8	472	15.45	PITTSBURGH	62.9	134	49.75	62.4	112	41.89
47.5	39	19.14	46.5	22	11.05	PITTSFIELD	0.6	1	36.04	0.6	1	37.84
59.2	64	25.21	58.6	49	19.53	PORTLAND MAINE	0.4	1	54.84	0.3	0	0.00
252.4	218	20.18	241.9	136	13.12	PORTLAND OREG.	10.6	6	13.26	11.2	12	24.91
222.7	216	22.64	215.3	156	16.91	PROVIDENCE	7.5	13	40.69	7.6	9	27.66
67.3	51	25.19	44.2	26	13.73	PROVO	0.1	0	0.00	0.2	0	0.00
44.0	58	30.79	43.3	26	16.01	PUEBLO	1.0	1	23.65	0.9	1	26.28
52.6	59	26.19	52.0	54	24.22	RACINE	3.2	6	43.16	3.3	4	28.13
40.6	30	17.26	39.1	28	14.72	RALEIGH	17.5	37	49.40	17.4	26	34.92
78.0	87	26.02	74.9	60	18.70	READING	2.1	8	89.03	2.0	7	79.78
27.0	39	33.75	26.0	28	25.15	RENO	1.6	4	60.06	1.8	3	38.74
96.6	97	23.43	92.4	65	16.42	RICHMOND	42.8	41	22.38	42.6	45	24.66
44.0	43	22.81	42.4	35	19.27	ROANOKE	7.3	18	57.92	7.5	8	24.73
190.8	192	23.49	180.5	138	17.84	ROCHESTER	14.6	28	44.84	14.7	13	20.63
77.3	87	26.26	74.5	54	16.91	ROCKFORD	4.9	18	86.22	5.2	8	36.25
177.7	151	19.83	170.2	129	17.69	SACRAMENTO	17.1	13	17.73	17.3	5	6.73
69.9	77	25.73	68.0	36	12.35	SAGINAW	10.8	19	40.99	10.8	15	32.40
27.0	31	26.76	26.3	20	17.76	ST. JOSEPH	1.1	4	88.00	0.9	4	100.90
633.8	606	22.31	608.0	425	16.31	ST. LOUIS	138.4	261	44.02	139.4	218	36.51
167.1	132	18.44	162.2	109	15.68	SALT LAKE CITY	2.0	6	68.59	2.2	5	52.70
21.3	23	25.20	20.7	12	13.55	SAN ANGELO	1.3	3	54.58	1.3	2	35.70
260.4	291	26.09	252.8	242	22.34	SAN ANTONIO	19.4	31	37.36	19.6	28	33.39
284.2	286	23.49	270.0	162	14.00	SAN BERNARDINO	18.9	35	43.13	18.2	36	46.15
348.5	374	25.04	332.2	283	19.88	SAN DIEGO	28.4	54	44.38	28.1	46	38.14
755.2	685	21.20	727.2	469	15.05	SAN FRANCISCO	147.3	203	32.16	146.6	188	29.92
250.5	218	20.31	239.7	159	15.55	SAN JOSE	8.9	11	28.86	8.6	8	21.78
57.5	55	22.33	54.6	43	18.37	SANTA BARBARA	2.5	3	28.38	2.6	3	27.22
49.1	77	36.61	47.0	33	16.37	SAVANNAH	25.9	56	50.44	27.0	39	33.66
65.4	46	16.41	63.4	48	17.66	SCRANTON	0.3	1	80.51	0.3	0	0.00
371.2	341	21.44	356.3	221	14.48	SEATTLE	22.7	28	28.78	23.0	21	21.36
69.8	67	22.39	68.0	44	15.10	SHREVEPORT	44.2	95	50.18	43.4	71	38.15
37.6	44	27.33	36.3	37	23.81	SIOUX CITY	1.0	2	47.60	1.0	0	0.00
34.6	31	20.89	33.5	18	12.55	SIOUX FALLS	0.1	1	164.51	0.3	0	0.00
75.6	77	23.78	72.1	60	19.41	SOUTH BEND	7.0	15	49.88	7.2	13	42.37
96.4	117	28.33	92.2	98	24.81	SPOKANE	2.8	6	50.23	2.6	3	26.71
47.5	73	35.90	44.9	48	24.95	SPRINGFIELD I.	2.7	4	35.04	2.6	8	72.07
39.4	34	20.16	36.5	24	15.34	SPRINGFIELD MO	0.8	0	0.00	0.9	1	26.46
40.2	45	26.11	38.7	25	15.06	SPRINGFIELD O.	4.9	6	28.31	5.3	9	39.46
172.7	156	21.08	164.7	106	15.02	SPRINGFIELD MA	8.2	16	45.73	8.1	9	25.86
54.5	38	16.26	52.7	30	13.28	STEUBENVILLE	2.8	5	41.22	2.9	2	16.07
71.8	66	21.46	69.5	54	18.15	STOCKTON	9.5	14	34.40	9.5	9	22.19
203.7	163	18.67	193.5	144	17.36	SYRACUSE	8.1	13	37.44	7.7	6	18.25
100.7	128	29.67	97.4	71	17.01	TACOMA	9.1	19	48.68	9.1	19	48.58
184.8	254	32.07	176.6	130	17.18	TAMPA	41.8	103	57.52	41.8	81	45.17
32.1	33	24.00	31.4	21	15.60	TERRE HAUTE	2.1	4	44.65	1.8	3	38.09
20.1	15	17.39	19.0	16	19.63	TEXARKANA	9.5	8	19.56	9.4	8	19.76
146.7	141	22.44	139.1	99	16.61	TOLEDO	19.7	30	35.51	20.5	25	28.51
50.7	34	15.64	48.8	27	12.91	TOPEKA	4.9	5	24.01	4.2	4	21.97
67.1	74	25.73	65.8	41	14.54	TRENTON	15.0	32	49.93	14.8	18	28.47
92.9	96	24.13	89.3	89	23.25	TUCSON	7.3	16	51.00	7.9	13	38.28
130.8	112	19.99	125.9	90	16.68	TULSA	17.0	33	45.24	16.5	15	21.24
23.7	21	20.64	23.4	23	22.95	TUSCALOOSA	14.4	26	42.06	14.5	14	22.59
19.7	24	28.50	18.5	16	20.17	TYLER	9.9	30	70.68	9.8	18	42.65
110.5	119	25.14	109.1	83	17.76	UTICA	2.7	10	86.79	2.6	7	61.89
41.8	41	22.88	40.6	42	24.13	WACO	10.1	21	48.69	10.1	17	39.37
524.1	552	24.58	505.9	404	18.64	WASHINGTON	210.6	591	65.48	209.8	478	53.17
45.9	30	19.83	44.6	32	16.74	WATERLOO	2.7	1	8.58	2.9	6	48.93
49.2	53	25.16	48.4	31	14.93	W. PALM BEACH	23.4	43	42.92	24.2	31	29.88
55.8	71	29.68	54.5	52	22.26	WHEELING	1.5	1	15.26	1.5	3	45.77
131.6	122	21.63	125.4	73	13.59	WICHITA	12.3	8	15.20	12.6	13	24.00
45.5	37	18.99	44.0	33	17.48	WICHITA FALLS	3.8	10	61.63	3.7	4	25.31
91.4	93	23.74	88.8	63	16.56	WILKES-BARRE	0.4	1	58.21	0.4	0	0.00
118.8	113	22.19	114.1	76	15.55	WILMINGTON	20.4	57	65.12	20.2	40	46.27
51.5	42	19.03	49.0	25	11.92	WINSTON-SALEM	18.1	55	70.81	18.5	32	40.39
190.8	196	23.98	181.8	111	14.25	WORCESTER	1.8	5	65.92	1.7	2	28.13
78.7	65	19.27	75.7	49	15.10	YORK	2.7	2	17.60	2.8	7	59.39
165.8	139	19.56	157.1	82	12.18	YOUNGSTOWN	21.1	42	46.51	21.9	41	43.79
34593.2	34366	23.18	33482.7	24303	17.06	TOTAL 201 SMSA	5822.5	11419	45.77	5830.7	9441	37.79

ALL AGE STANDARD RATE = 23.34

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
SEPSIS OF NEWBORN (I.S.C. 763-768)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
4.7	8	4.99	4.5	2	1.12	ABILENE	0.3	1	8.92	0.3	0	0.00
18.6	15	2.05	18.0	11	1.96	AKRON	2.1	6	7.34	2.1	1	1.23
2.5	1	1.09	2.4	1	1.07	ALBANY GA	1.6	5	9.09	1.9	6	15.70
22.8	19	2.12	22.0	17	1.97	ALBANY NY	0.9	1	2.82	0.9	3	8.48
12.5	16	3.26	11.9	13	2.79	ALBUQUERQUE	0.5	1	4.86	0.5	1	5.05
16.7	17	2.60	16.0	10	1.60	ALLENTOWN	0.2	1	11.50	0.2	0	0.00
6.7	12	6.58	6.4	8	4.67	ALTOONA	0.1	0	0.00	0.1	0	0.00
6.0	6	1.69	5.7	0	0.00	AMARILLO	0.4	1	6.09	0.6	2	12.70
6.3	3	1.22	6.1	2	0.83	ANN ARBOR	0.6	0	0.00	0.5	0	0.00
3.8	6	4.00	3.6	3	2.10	ASHEVILLE	0.6	1	4.63	0.9	2	10.17
30.9	26	1.08	29.5	13	1.12	ATLANTA	10.9	43	10.07	11.2	26	5.91
4.2	5	3.06	4.0	2	1.26	ATLANTIC CITY	1.1	1	2.29	1.1	3	6.67
6.0	9	1.28	5.7	1	0.45	AUGUSTA	3.0	11	9.32	3.0	7	5.49
7.2	3	1.04	6.8	4	1.50	AUSTIN	1.2	1	2.17	1.1	5	11.38
11.3	19	4.08	10.9	9	2.10	BAKERSFIELD	1.0	6	10.00	1.0	2	5.10
60.5	58	2.98	47.0	31	1.45	BALTIMORE	18.2	66	12.03	18.6	56	7.68
6.9	1	0.37	6.6	0	0.00	BATON ROUGE	3.5	15	11.06	3.5	9	6.60
4.8	8	4.22	4.6	1	0.56	BAY CITY	0.0	0	0.00	0.0	0	0.00
10.0	6	1.53	9.6	7	1.99	BEAUMONT	3.1	7	5.82	3.1	5	4.13
3.4	0	0.00	3.2	0	0.00	BILLINGS	0.0	0	0.00	0.0	1	64.13
8.2	6	1.86	7.8	7	2.28	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
15.6	13	2.19	14.9	8	1.60	BIRMINGHAM	10.1	23	5.83	10.2	16	4.00
109.3	112	2.61	109.2	58	1.61	BOSTON	4.2	17	10.36	4.2	7	4.22
21.9	15	1.75	21.2	11	1.32	BRIDGEPORT	1.8	2	2.91	1.7	3	4.44
9.8	8	2.08	9.5	7	1.87	BROCKTON	0.2	0	0.00	0.2	0	0.00
7.9	30	9.79	7.4	18	6.17	BROWNSVILLE	0.0	0	0.00	0.1	0	0.00
47.1	33	1.70	45.6	23	1.28	BUFFALO	4.8	10	5.31	4.7	5	2.69
12.4	12	2.48	12.0	8	1.70	CANTON	0.9	2	5.56	0.9	1	2.85
5.8	3	1.33	5.4	2	0.95	CEDAR RAPIDS	0.1	1	45.59	0.1	0	0.00
5.1	7	3.67	4.9	4	2.08	CHAMPAIGN	0.6	0	0.00	0.6	0	0.00
6.1	5	2.10	5.8	4	1.75	CHARLESTON SC	4.7	7	4.22	4.2	6	3.68
9.2	10	2.78	8.9	6	1.72	CHARLESTON WVA	0.6	3	12.67	0.5	1	4.64
8.2	2	0.62	7.8	3	0.97	CHARLOTTE	3.3	14	10.76	3.4	9	6.68
8.6	5	1.48	8.4	7	2.13	CHATTANOOGA	2.1	3	3.60	2.2	2	2.37
195.6	211	2.75	188.6	130	1.76	CHICAGO	47.7	212	11.33	48.1	139	7.37
37.7	43	2.91	36.6	27	1.88	CINCINNATI	5.1	18	7.52	4.2	15	6.18
56.0	40	1.79	54.6	25	1.17	CLEVELAND	12.6	19	3.84	12.0	21	4.16
5.7	4	1.80	5.5	3	1.38	COLORADO SPRGS	0.4	0	0.00	0.4	2	14.67
6.6	4	1.54	6.3	1	0.41	COLUMBIA	3.6	10	7.17	3.6	6	6.21
6.7	7	2.64	6.5	5	1.96	COLUMBUS GA	3.0	17	10.19	3.1	9	7.65
25.3	34	3.43	24.6	25	2.61	COLUMBUS OHIO	3.9	3	1.96	4.0	6	2.57
10.3	9	2.23	9.9	13	3.36	CORPUS CHRISTI	0.5	1	4.97	0.5	0	0.00
36.2	30	2.11	35.1	26	1.89	DALLAS	8.5	23	6.91	8.3	18	5.50
10.4	10	2.45	9.9	9	2.32	DAVENPORT	0.3	0	0.00	0.3	1	7.69
25.8	16	1.38	24.7	7	0.72	DAYTON	3.5	4	2.95	3.8	2	1.65
4.3	3	1.77	4.1	0	0.00	DECATUR	0.3	0	0.00	0.3	0	0.00
36.8	43	2.98	35.5	28	2.01	DENVER	2.0	4	5.12	1.9	7	9.18
10.2	11	2.76	9.7	11	2.89	DES MOINES	0.5	2	9.96	0.5	3	14.84
133.1	110	2.28	127.7	68	1.36	DETROIT	27.2	49	4.59	26.9	40	3.79
3.6	0	0.00	3.5	1	0.72	DUBUQUE	0.0	0	0.00	0.0	0	0.00
10.6	6	1.44	10.2	4	1.00	DULUTH	0.1	0	0.00	0.1	0	0.00
2.6	0	0.00	2.5	0	0.00	DURHAM	1.4	1	1.92	1.5	2	3.37
15.6	34	5.56	15.2	17	2.96	EL PASO	0.6	1	4.52	0.6	1	4.38
9.7	7	1.83	9.3	8	2.20	ERIE	0.4	0	0.00	0.4	0	0.00
6.1	4	1.67	6.1	1	0.42	EUGENE	0.1	0	0.00	0.1	0	0.00
7.1	5	1.79	6.7	3	1.14	EVANSVILLE	0.6	1	4.61	0.6	2	9.00
13.4	17	3.24	12.8	4	0.80	FALL RIVER	0.2	1	10.94	0.2	0	0.00
4.6	3	1.66	4.4	3	1.73	FARGO	0.0	0	0.00	0.0	0	0.00
15.7	6	0.97	15.1	9	1.52	FLINT	2.3	2	2.19	2.3	5	5.35
8.5	11	3.28	8.2	6	1.24	FT. LAUDERDALE	3.6	16	12.15	3.6	10	7.18
2.1	0	0.00	2.1	0	0.00	FORT SMITH	0.2	0	0.00	0.2	0	0.00
9.2	2	0.55	8.9	3	0.86	FORT WAYNE	0.8	2	6.70	0.7	3	10.24
20.4	24	3.00	19.5	9	1.18	FORT WORTH	3.2	9	7.25	3.1	5	4.11
13.5	24	5.29	13.1	10	1.95	FRESNO	1.3	2	3.82	1.2	1	2.07
3.0	0	0.00	2.8	2	1.82	GADSDEN	0.7	1	3.63	0.7	2	7.22
4.2	2	1.20	4.0	3	1.91	GALVESTON	1.4	2	3.62	1.4	2	3.74
21.4	20	2.38	20.4	18	2.25	GARY	4.8	10	5.34	4.9	10	5.20
15.0	7	1.19	14.3	8	1.42	GRAND RAPIDS	0.9	1	2.96	0.9	0	0.00
3.3	1	0.76	3.3	1	0.77	GREAT FALLS	0.1	1	21.26	0.1	0	0.00
5.8	1	0.44	5.6	1	0.46	GREEN BAY	0.1	0	0.00	0.1	0	0.00
7.4	4	1.38	7.5	6	2.10	GREENSBORO	2.4	7	7.45	2.4	9	9.76
6.8	5	1.88	6.5	2	0.78	GREENVILLE	1.8	4	5.72	1.8	6	8.45
8.1	3	0.95	7.5	2	0.68	HAMILTON	0.5	1	4.86	0.5	0	0.00
11.3	3	0.68	11.0	7	1.63	HARRISBURG	1.1	4	9.17	1.1	3	7.27
24.8	15	1.56	24.2	6	0.63	HARTFORD	1.8	3	4.23	1.7	1	1.48
8.0	10	3.19	7.8	3	0.99	HONOLULU	14.7	27	4.69	14.1	10	1.81
41.5	53	3.28	40.2	33	2.10	HOUSTON	13.0	45	8.81	13.0	28	5.51
9.0	7	1.98	8.6	14	4.17	HUNTINGTON	0.3	0	0.00	0.3	0	0.00
4.3	1	0.59	4.2	3	1.84	HUNTSVILLE	1.1	9	21.72	1.1	3	6.86
24.2	18	1.90	23.3	10	1.10	INDIANAPOLIS	5.0	22	11.29	5.0	7	3.59
5.1	6	3.03	4.9	3	1.55	JACKSON MICH	0.3	0	0.00	0.3	2	20.23
4.4	5	2.89	4.2	2	1.21	JACKSON MISS	3.9	15	9.77	4.0	11	7.01
14.4	17	3.00	14.0	10	1.83	JACKSONVILLE	5.3	18	8.74	5.2	15	7.29
17.6	16	2.32	16.9	11	1.66	JERSEY CITY	2.3	9	10.10	2.3	2	2.23
10.0	6	1.54	9.7	7	1.86	JOHNSTOWN	0.2	0	0.00	0.1	0	0.00
6.7	8	3.06	6.4	2	0.80	KALAMAZOO	0.3	1	7.71	0.3	0	0.00
36.5	50	3.49	34.9	37	2.70	KANSAS CITY	6.0	29	12.31	6.0	18	7.62
4.2	5	3.09	4.0	5	3.20	KENOSHA	0.1	0	0.00	0.1	0	0.00
12.5	9	1.84	11.7	9	1.96	KNOXVILLE	1.2	0	0.00	1.2	2	4.26
5.7	6	2.68	5.5	7	3.24	LAKE CHARLES	1.7	8	12.06	1.7	4	5.99
10.5	6	1.45	10.2	2	0.50	LANCASTER	0.2	0	0.00	0.2	0	0.00
12.3	6	1.26	11.9	6	1.28	LANSING	0.5	1	5.61	0.5	0	0.00
3.2	7	5.50	3.2	8	6.40	LAREDO	0.0	0	0.00	0.0	0	0.00
4.6	4	2.22	4.5	2	1.13	LAS VEGAS	0.8	2	6.64	0.7	3	10.21
3.5	3	2.21	3.3	2	1.53	LAWTON	0.6	0	0.00	0.6	0	0.00
4.3	6	3.59	4.0	6	3.82	LEXINGTON	0.9	1	2.99	0.9	2	5.96
3.9	3	1.97	3.7	1	0.69	LIMA	0.4	0	0.00	0.4	0	0.00
6.2	2	0.82	6.0	5	2.14	LINCOLN	0.2	1	15.02	0.2	0	0.00
7.2	5	1.78	6.9	3	1.10	LITTLE ROCK	2.6	11	10.63	2.5	12	12.12
9.2	5	1.39	8.9	6	1.72	LORAIN	0.7	1	3.63	0.7	1	3.63
225.8	206	2.33	217.4	151	1.77	LOS ANGELES	28.4	58	5.21	28.2	38	3.44

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

SEPSIS OF NEWBORN (I.S.C. 763-768)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
26.5	24	2.31	25.6	12	1.20	LOUISVILLE	4.0	16	10.24	3.9	6	3.93
6.6	16	6.15	6.5	7	2.76	LUBBOCK	0.7	3	10.31	0.8	0	0.00
3.1	4	3.33	2.9	0	0.00	LYNCHBURG	1.0	6	14.94	1.0	4	10.16
5.1	2	1.00	4.9	6	3.14	MACON	2.7	6	5.70	2.7	6	5.62
9.5	7	1.87	9.0	5	1.42	MADISON	0.1	0	0.00	0.1	0	0.00
6.6	14	5.44	6.5	5	1.98	MANCHESTER	0.0	0	0.00	0.0	0	0.00
15.2	10	1.67	14.6	14	2.44	MEMPHIS	11.6	39	8.54	11.9	23	4.94
24.5	26	2.71	23.2	18	1.97	MIAMI	7.6	23	7.70	7.6	13	4.38
3.0	4	3.49	3.0	7	4.00	MIDLAND	0.3	1	8.00	0.3	1	7.43
44.6	34	1.94	42.9	20	1.19	MILWAUKEE	4.3	5	2.95	4.3	5	2.97
63.4	36	1.53	61.4	25	1.04	MINNEAPOLIS	1.5	2	3.38	1.4	1	1.83
9.1	5	1.39	9.7	3	0.87	MOBILE	5.4	12	5.69	5.4	7	3.30
2.8	1	0.92	2.7	4	3.70	MONROE	1.8	10	14.37	1.7	4	6.17
4.3	4	2.35	4.1	2	1.23	MONTGOMERY	3.1	14	11.36	3.2	9	7.13
4.1	5	3.11	3.9	1	0.65	MUNCIE	0.3	0	0.00	0.2	0	0.00
6.1	6	2.53	5.8	5	2.19	MUSKEGON	0.7	1	3.45	0.8	1	3.36
12.1	7	1.47	11.8	3	0.65	NASHVILLE	3.2	4	3.15	3.3	1	0.76
47.7	29	1.55	46.3	18	0.99	NEWARK	10.6	32	7.73	10.5	19	4.59
22.4	16	1.82	21.6	14	1.65	NEW HAVEN	2.0	4	5.10	1.9	0	0.00
22.8	32	3.57	22.0	13	1.51	NEW ORLEANS	13.9	72	13.18	13.6	67	12.59
7.0	3	1.10	6.8	5	1.89	NEWPORT NEWS	2.9	8	6.95	2.9	7	6.09
293.9	279	2.42	283.2	203	1.83	NEW YORK	52.7	149	7.21	53.0	96	4.62
17.8	18	2.58	17.1	11	1.64	NORFOLK	7.5	18	6.12	7.6	15	5.03
4.1	8	4.95	4.0	2	1.27	ODESSA	0.3	0	0.00	0.3	0	0.00
5.1	2	1.00	4.9	1	0.52	OGDEN	0.1	0	0.00	0.1	0	0.00
17.8	23	3.29	17.0	15	2.25	OKLAHOMA CITY	2.7	3	2.88	2.7	6	5.71
18.3	14	1.95	17.7	10	1.44	OMAHA	1.5	4	6.64	1.5	2	3.31
10.5	2	0.48	10.3	4	0.99	ORLANDO	2.7	7	6.58	2.7	6	5.69
39.5	37	2.39	37.9	25	1.68	PATERSON	2.1	0	0.00	2.1	8	9.93
7.4	3	1.04	7.1	4	1.43	PENSACOLA	2.2	11	12.87	2.2	8	9.37
11.0	5	1.16	10.6	7	1.69	PEORIA	0.6	0	0.00	0.6	0	0.00
131.6	113	2.19	126.7	65	1.31	PHILADELPHIA	30.6	63	5.25	30.9	50	4.13
26.1	30	2.93	25.0	32	3.26	PHOENIX	2.1	10	12.09	2.1	7	8.57
80.8	55	1.73	77.9	38	1.24	PITTSBURGH	6.9	13	4.83	6.8	7	2.62
5.2	4	1.96	5.1	1	0.50	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
6.5	9	3.55	6.4	11	4.38	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
27.6	15	1.39	26.4	9	0.87	PORTLAND OREG.	1.2	1	2.21	1.2	1	2.08
24.3	8	0.84	23.5	7	0.76	PROVIDENCE	0.8	1	3.13	0.8	1	3.07
5.2	4	1.98	4.8	2	1.06	PROVO	0.0	0	0.00	0.0	0	0.00
4.8	5	2.65	4.7	4	2.16	PUEBLO	0.1	1	23.65	0.1	0	0.00
5.7	4	1.77	5.7	3	1.35	RACINE	0.4	0	0.00	0.4	3	21.10
4.4	4	2.30	4.3	2	1.19	RALEIGH	1.9	7	9.35	1.9	11	14.78
8.5	5	1.50	8.2	3	0.94	READING	0.2	1	11.13	0.2	0	0.00
2.9	0	0.00	2.8	2	1.80	RENO	0.2	0	0.00	0.2	0	0.00
10.6	17	4.11	10.1	10	2.53	RICHMOND	4.7	14	7.64	4.7	8	4.38
4.8	5	2.65	4.6	4	2.20	ROANOKE	0.8	2	6.44	0.9	2	6.18
20.8	8	0.98	19.7	8	1.03	ROCHESTER	1.6	3	4.80	1.6	2	3.17
8.4	4	1.21	8.1	9	2.82	ROCKFORD	0.5	1	4.79	0.6	0	0.00
19.4	24	3.15	18.6	14	1.92	SACRAMENTO	1.9	2	2.73	1.9	3	4.04
7.6	4	1.34	7.4	6	2.06	SAGINAW	1.2	2	4.31	1.2	4	8.64
3.0	6	5.18	2.9	1	0.89	ST. JOSEPH	0.1	0	0.00	0.1	0	0.00
69.2	48	1.77	66.4	37	1.42	ST. LOUIS	15.1	26	4.38	15.2	25	4.19
18.3	9	1.26	17.7	7	1.01	SALT LAKE CITY	0.2	0	0.00	0.2	0	0.00
2.3	8	8.72	2.3	4	4.52	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
28.4	43	3.85	27.6	38	3.51	SAN ANTONIO	2.1	11	13.26	2.1	7	8.35
31.0	38	3.12	29.5	23	1.99	SAN BERNARDINO	2.1	6	7.39	2.0	3	3.85
38.1	46	3.08	34.3	27	1.90	SAN DIEGO	3.1	10	8.22	3.1	3	2.49
82.5	83	2.56	79.4	48	1.54	SAN FRANCISCO	16.1	27	4.28	16.0	25	3.98
27.4	19	1.77	26.1	16	1.56	SAN JOSE	1.0	1	2.62	0.9	0	0.00
6.3	4	1.62	6.0	6	2.56	SANTA BARBARA	0.3	0	0.00	0.3	0	0.00
5.4	5	2.38	5.1	4	1.98	SAVANNAH	2.8	3	2.70	3.0	6	5.18
7.1	2	0.71	6.9	3	1.10	SCRANTON	0.0	0	0.00	0.0	0	0.00
40.6	25	1.57	38.9	14	0.92	SEATTLE	2.5	4	4.11	2.5	1	1.02
7.6	11	3.69	7.4	6	2.06	SHREVEPORT	4.8	20	10.57	4.7	13	6.99
4.1	4	2.49	4.0	5	3.22	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
3.8	3	2.02	3.7	3	2.09	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
8.3	4	1.24	7.9	2	0.65	SOUTH BEND	0.8	3	3.98	0.8	1	3.26
10.5	4	0.97	10.1	2	0.51	SPOKANE	0.3	0	0.00	0.3	0	0.00
5.2	4	1.97	4.9	1	0.52	SPRINGFIELD I.	0.3	2	17.52	0.3	0	0.00
4.3	8	4.74	4.0	1	0.64	SPRINGFIELD MO	0.1	0	0.00	0.1	0	0.00
4.4	1	0.58	4.2	1	0.60	SPRINGFIELD O.	0.5	0	0.00	0.6	0	0.00
18.9	14	1.89	18.0	8	1.13	SPRINGFIELD MA	0.9	1	2.86	0.9	0	0.00
6.0	3	1.28	5.8	0	0.00	STEUBENVILLE	0.3	0	0.00	0.3	0	0.00
7.8	9	2.93	7.6	10	3.36	STOCKTON	1.0	1	2.46	1.0	1	2.47
22.3	11	1.26	21.1	17	2.05	SYRACUSE	0.9	3	8.64	0.8	1	3.04
11.0	5	1.16	10.6	5	1.20	TACOMA	1.0	3	7.69	1.0	2	5.11
20.2	16	2.02	19.3	16	2.11	TAMPA	4.6	11	6.14	4.6	12	6.69
3.5	1	0.73	3.4	2	1.49	TERRE HAUTE	0.2	1	11.16	0.2	2	25.40
2.2	3	3.48	2.1	1	1.23	TEXARKANA	1.0	3	7.33	1.0	1	2.47
16.0	11	1.75	15.2	12	2.01	TOLEDO	2.2	4	4.73	2.2	3	3.42
5.5	5	2.30	5.3	2	0.96	TOPEKA	0.5	2	9.60	0.5	0	0.00
7.3	7	2.43	7.2	4	1.42	TRENTON	1.6	5	7.80	1.6	1	1.58
10.1	12	3.02	9.8	6	1.57	TUCSON	0.8	3	9.56	0.9	0	0.00
14.3	9	1.61	13.8	9	1.67	TULSA	1.9	4	5.48	1.8	3	4.25
2.6	0	0.00	2.6	0	0.00	TUSCALOOSA	1.6	3	4.85	1.6	4	6.45
2.1	0	0.00	2.0	0	0.00	TYLER	1.1	2	4.71	1.1	1	2.37
12.1	13	2.79	11.9	8	1.71	UTICA	0.3	3	26.04	0.3	0	0.00
4.6	4	2.23	4.4	3	1.72	WACO	1.1	1	2.32	1.1	3	6.95
57.3	43	1.91	55.3	33	1.52	WASHINGTON	23.0	39	4.32	22.9	27	3.00
5.0	8	4.07	4.9	6	3.14	WATERLOO	0.3	1	8.58	0.3	1	8.15
5.4	1	0.47	5.3	2	0.96	W. PALM BEACH	2.6	9	8.98	2.6	12	11.57
6.1	2	0.84	6.0	3	1.29	WHEELING	0.2	0	0.00	0.2	0	0.00
14.4	16	2.48	13.7	9	1.67	WICHITA	1.3	5	9.50	1.4	1	1.85
5.0	4	2.05	4.8	4	2.12	WICHITA FALLS	0.4	1	6.16	0.4	1	6.33
10.0	13	3.32	9.7	3	0.79	WILKES-BARRE	0.0	1	58.21	0.0	0	0.00
13.0	9	1.77	12.5	4	0.82	WILMINGTON	2.2	2	2.28	2.2	3	3.47
5.6	2	0.91	5.3	5	2.38	WINSTON-SALEM	2.0	3	3.86	2.0	4	5.05
20.8	20	2.45	19.9	18	2.31	WORCESTER	0.2	0	0.00	0.2	0	0.00
8.6	6	1.78	8.3	2	0.62	YORK	0.3	0	0.00	0.3	1	8.48
18.1	9	1.27	17.2	8	1.19	YOUNGSTOWN	2.3	9	9.97	2.4	2	2.14
3779.1	3374	2.28	3635.9	2307	1.62	TOTAL 201 SMSA	636.1	1755	7.03	637.0	1252	5.01

ALL AGE STANDARD RATE = 2.55

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

NEONATAL DISORDERS ARISING FROM CERTAIN DISEASES OF THE MOTHER DURING PREGNANCY (I.S.C. 769)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
0.8	0	0.00	0.8	2	1.12	ABILENE	0.1	0	0.00	0.1	0	0.00
3.3	7	0.96	3.2	3	0.47	AKRON	0.4	3	3.67	0.4	0	0.00
0.4	1	1.03	0.4	0	0.00	ALBANY GA	0.2	0	0.00	0.2	0	0.00
4.0	3	0.39	3.8	2	0.23	ALBANY NY	0.2	0	0.00	0.2	0	0.00
2.2	3	0.61	2.1	0	0.00	ALBUQUERQUE	0.1	0	0.00	0.1	0	0.00
2.9	2	0.31	2.8	0	0.00	ALLENTOWN	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	1	0.58	ALTOONA	0.0	0	0.00	0.0	0	0.00
1.1	1	0.42	1.0	0	0.00	AMARILLO	0.1	1	6.09	0.1	0	0.00
1.1	1	0.41	1.1	1	0.42	ANN ARBOR	0.1	1	4.61	0.1	1	4.88
0.7	0	0.00	0.6	0	0.00	ASHEVILLE	0.1	0	0.00	0.1	0	0.00
5.4	5	0.41	5.2	8	0.69	ATLANTA	1.9	3	0.70	2.0	4	0.91
0.7	0	0.00	0.7	1	0.63	ATLANTIC CITY	0.2	0	0.00	0.2	0	0.00
1.0	0	0.00	1.0	0	0.00	AUGUSTA	0.5	0	0.00	0.5	0	0.00
1.3	0	0.00	1.2	2	0.75	AUSTIN	0.2	0	0.00	0.2	0	0.00
2.0	5	1.13	1.9	1	0.23	BAKERSFIELD	0.2	0	0.00	0.2	0	0.00
8.7	4	0.21	8.4	7	0.37	BALTIMORE	3.2	4	0.56	3.3	4	0.55
1.2	1	0.37	1.2	1	0.39	BATON ROUGE	0.6	0	0.00	0.6	0	0.00
0.8	1	0.53	0.8	0	0.00	BAY CITY	0.0	0	0.00	0.0	0	0.00
1.7	1	0.24	1.6	1	0.27	BEAUMONT	0.5	3	2.49	0.5	2	1.65
0.6	0	0.00	0.6	0	0.00	BILLINGS	0.0	0	0.00	0.0	0	0.00
1.4	3	0.93	1.4	1	0.33	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
2.7	1	0.17	2.5	2	0.35	BIRMINGHAM	1.8	3	0.76	1.8	3	0.75
19.1	8	0.19	18.4	5	0.12	BOSTON	0.7	0	0.00	0.7	0	0.00
3.8	5	0.58	3.7	1	0.12	BRIDGEPORT	0.3	0	0.00	0.3	0	0.00
1.7	0	0.00	1.7	0	0.00	BROCKTON	0.0	0	0.00	0.0	0	0.00
1.4	3	0.97	1.3	3	1.03	BROWNSVILLE	0.0	0	0.00	0.0	1	39.84
8.2	10	0.54	9.0	4	0.22	BUFFALO	0.8	1	0.53	0.8	1	0.54
2.2	2	0.41	2.1	2	0.43	CANTON	0.2	3	8.35	0.2	1	2.85
1.0	1	0.44	0.9	1	0.47	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
0.9	1	0.50	0.9	0	0.00	CHAMPAIGN	0.1	0	0.00	0.1	0	0.00
1.1	0	0.00	1.0	0	0.00	CHARLESTON SC	0.7	1	0.60	0.7	1	0.61
1.6	1	0.28	1.6	1	0.29	CHARLESTON WVA	0.1	0	0.00	0.1	0	0.00
1.4	1	0.31	1.4	1	0.32	CHARLOTTE	0.6	2	1.53	0.6	0	0.00
1.5	1	0.30	1.5	1	0.30	CHATTANOOGA	0.4	0	0.00	0.4	3	3.55
34.2	13	0.17	33.0	10	0.14	CHICAGO	8.4	4	0.21	8.4	3	0.16
6.6	11	0.74	6.4	5	0.35	CINCINNATI	1.1	1	0.42	1.1	1	0.41
10.0	11	0.49	9.5	6	0.28	CLEVELAND	2.2	2	0.40	2.3	5	0.99
1.0	5	2.24	1.0	1	0.46	COLORADO SPRGS	0.1	0	0.00	0.1	0	0.00
1.2	1	0.39	1.1	0	0.00	COLUMBIA	0.6	2	1.43	0.6	1	0.70
1.2	0	0.00	1.1	0	0.00	COLUMBUS GA	0.5	1	0.85	0.5	0	0.00
4.4	3	0.30	4.3	3	0.31	COLUMBUS OHIO	0.7	2	1.31	0.7	3	1.93
1.8	2	0.50	1.7	4	1.03	CORPUS CHRISTI	0.1	0	0.00	0.1	0	0.00
6.3	8	0.56	6.1	7	0.51	DALLAS	1.5	1	0.30	1.5	1	0.31
1.8	2	0.49	1.7	1	0.26	DAVENPORT	0.1	0	0.00	0.1	0	0.00
4.5	3	0.30	4.3	3	0.31	DAYTON	0.6	2	1.47	0.6	1	0.72
0.8	0	0.00	0.7	1	0.62	DECATUR	0.1	0	0.00	0.1	0	0.00
6.4	8	0.55	6.2	4	0.29	DENVER	0.3	0	0.00	0.3	1	1.31
1.8	1	0.25	1.7	3	0.79	DES MOINES	0.1	0	0.00	0.1	0	0.00
23.3	30	0.57	27.4	16	0.32	DETROIT	4.8	16	1.50	4.7	5	0.47
0.6	0	0.00	0.6	1	0.72	DUBUQUE	0.0	0	0.00	0.0	0	0.00
1.9	1	0.24	1.8	1	0.25	DULUTH	0.0	0	0.00	0.0	0	0.00
0.5	2	1.97	0.4	0	0.00	DURHAM	0.2	0	0.00	0.3	0	0.00
2.7	4	0.65	2.7	5	0.84	EL PASO	0.1	0	0.00	0.1	0	0.00
1.7	1	0.26	1.6	1	0.28	ERIE	0.1	1	6.40	0.1	1	5.82
1.1	3	1.25	1.1	0	0.00	EUGENE	0.0	0	0.00	0.0	0	0.00
1.2	1	0.34	1.2	1	0.38	EVANSVILLE	0.1	0	0.00	0.1	0	0.00
2.3	3	0.57	2.2	1	0.20	FALL RIVER	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.8	1	0.58	FARGO	0.0	0	0.00	0.0	0	0.00
2.7	2	0.32	2.6	3	0.51	FLINT	0.4	0	0.00	0.4	3	3.33
1.5	0	0.00	1.4	1	0.31	FT. LAUDERDALE	0.6	2	1.52	0.6	4	2.87
0.4	1	1.22	0.4	0	0.00	FORT SMITH	0.0	0	0.00	0.0	0	0.00
1.6	1	0.28	1.6	0	0.00	FORT WAYNE	0.1	0	0.00	0.1	0	0.00
3.6	3	0.38	3.4	2	0.26	FORT WORTH	0.6	3	2.42	0.5	0	0.00
2.4	3	0.57	2.3	5	0.98	FRESNO	0.2	0	0.00	0.2	0	0.00
0.5	1	0.86	0.5	0	0.00	GADSDEN	0.1	1	3.63	0.1	0	0.00
0.7	0	0.00	0.7	1	0.64	GALVESTON	0.2	0	0.00	0.2	1	1.87
3.8	4	0.48	3.6	0	0.00	GARY	0.8	1	0.53	0.9	0	0.00
2.6	6	1.02	2.5	1	0.18	GRAND RAPIDS	0.2	1	2.94	0.2	0	0.00
0.6	1	0.76	0.6	0	0.00	GREAT FALLS	0.0	0	0.00	0.0	0	0.00
1.0	1	0.44	1.0	1	0.46	GREEN BAY	0.0	0	0.00	0.0	0	0.00
1.3	1	0.34	1.3	1	0.35	GREENSBORO	0.4	0	0.00	0.4	2	2.17
1.2	0	0.00	1.1	0	0.00	GREENVILLE	0.3	0	0.00	0.3	0	0.00
1.4	0	0.00	1.3	1	0.36	HAMILTON	0.1	0	0.00	0.1	0	0.00
2.0	0	0.00	1.9	1	0.23	HARRISBURG	0.2	0	0.00	0.2	0	0.00
4.4	4	0.41	4.2	6	0.63	HARTFORD	0.3	0	0.00	0.3	0	0.00
1.4	1	0.32	1.4	2	0.66	HONOLULU	2.6	5	0.87	2.5	4	0.72
7.3	13	0.80	7.0	3	0.19	HOUSTON	2.3	2	0.39	2.3	6	1.18
1.6	0	0.00	1.5	1	0.30	HUNTINGTON	0.0	0	0.00	0.0	0	0.00
0.8	4	2.37	0.7	1	0.61	HUNTSVILLE	0.2	0	0.00	0.2	0	0.00
4.2	3	0.32	4.1	4	0.44	INDIANAPOLIS	0.9	0	0.00	0.9	0	0.00
0.9	1	0.50	0.9	2	1.03	JACKSON MICH	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.7	1	0.61	JACKSON MISS	0.7	6	3.91	0.7	3	1.91
2.5	1	0.18	2.4	2	0.37	JACKSONVILLE	0.9	2	0.97	0.9	0	0.00
3.1	6	0.58	3.0	2	0.30	JERSEY CITY	0.4	1	1.12	0.4	0	0.00
1.7	4	1.02	1.7	2	0.53	JOHNSTOWN	0.0	0	0.00	0.0	0	0.00
1.2	0	0.00	1.1	0	0.00	KALAMAZOO	0.1	1	7.71	0.1	0	0.00
6.4	8	0.56	6.1	7	0.51	KANSAS CITY	1.1	3	1.27	1.1	0	0.00
0.7	2	1.22	0.7	0	0.00	KENOSHA	0.0	0	0.00	0.0	0	0.00
2.2	4	0.82	2.1	4	0.87	KNOXVILLE	0.2	0	0.00	0.2	1	2.13
1.0	0	0.00	1.0	0	0.00	LAKE CHARLES	0.3	2	3.01	0.3	0	0.00
1.8	4	0.97	1.8	3	0.75	LANCASTER	0.0	0	0.00	0.0	0	0.00
2.2	4	0.83	2.1	4	0.86	LANSING	0.1	0	0.00	0.1	0	0.00
0.6	2	1.57	0.6	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
0.8	3	1.67	0.8	1	0.56	LAS VEGAS	0.1	0	0.00	0.1	0	0.00
0.6	0	0.00	0.6	0	0.00	LAWTON	0.1	0	0.00	0.1	0	0.00
0.7	0	0.00	0.7	1	0.64	LEXINGTON	0.1	0	0.00	0.1	0	0.00
0.7	3	1.97	0.6	1	0.69	LIMA	0.1	0	0.00	0.1	1	6.42
1.1	1	0.41	1.0	1	0.43	LINCOLN	0.0	0	0.00	0.0	0	0.00
1.3	1	0.36	1.2	0	0.00	LITTLE ROCK	0.5	0	0.00	0.4	1	1.01
1.6	1	0.28	1.6	2	0.57	LORAIN	0.1	0	0.00	0.1	0	0.00
39.5	70	0.79	38.1	42	0.49	LOS ANGELES	5.0	13	1.17	4.9	7	0.63

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
NEONATAL DISORDERS ARISING FROM CERTAIN DISEASES OF THE MOTHER DURING PREGNANCY (I.S.C. 769)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
4.6	4	0.38	4.5	5	0.60	LOUISVILLE	0.7	1	0.64	0.7	0	0.00
1.2	10	3.85	1.1	3	1.18	LUBBOCK	0.1	3	10.31	0.1	0	0.00
0.5	0	0.00	0.5	0	0.00	LYNCHBURG	0.2	0	0.00	0.2	0	0.00
0.9	1	0.50	0.9	1	0.52	MACON	0.5	2	1.90	0.5	0	0.00
1.7	3	0.80	1.6	0	0.00	MADISON	0.0	0	0.00	0.0	0	0.00
1.1	0	0.00	1.1	2	0.79	MANCHESTER	0.0	0	0.00	0.0	0	0.00
2.7	1	0.17	2.6	1	0.17	MEMPHIS	2.0	4	0.88	2.1	3	0.64
4.3	8	0.83	4.1	2	0.22	MIAMI	1.3	3	1.00	1.3	1	0.34
0.5	1	0.86	0.5	0	0.00	MIDLAND	0.1	0	0.00	0.1	0	0.00
7.8	16	0.91	7.5	12	0.71	MILWAUKEE	0.8	0	0.00	0.8	2	1.19
11.1	12	0.48	10.7	9	0.37	MINNEAPOLIS	0.3	0	0.00	0.2	0	0.00
1.6	0	0.00	1.5	4	1.17	MOBILE	0.9	0	0.00	0.9	0	0.00
0.5	1	0.92	0.5	0	0.00	MONROE	0.3	2	2.87	0.3	0	0.00
0.8	1	0.59	0.7	0	0.00	MONTGOMERY	0.5	1	0.81	0.6	0	0.00
0.7	0	0.00	0.7	0	0.00	MUNCIE	0.0	0	0.00	0.0	0	0.00
1.1	1	0.42	1.0	0	0.00	MUSKEGON	0.1	0	0.00	0.1	0	0.00
2.1	1	0.21	2.1	0	0.00	NASHVILLE	0.6	0	0.00	0.6	0	0.00
8.3	11	0.59	8.1	7	0.39	NEWARK	1.8	0	0.00	1.8	3	0.73
3.9	0	0.00	3.8	4	0.47	NEW HAVEN	0.3	1	1.28	0.3	0	0.00
4.0	5	0.54	3.8	0	0.00	NEW ORLEANS	2.4	0	0.00	2.4	1	0.19
1.2	2	0.73	1.2	1	0.38	NEWPORT NEWS	0.5	1	0.87	0.5	0	0.00
51.4	43	0.37	49.6	26	0.23	NEW YORK	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	4	0.60	NORFOLK	1.3	2	0.68	1.3	2	0.67
0.7	0	0.00	0.7	1	0.66	ODESSA	0.0	0	0.00	0.0	0	0.00
0.9	0	0.00	0.9	0	0.00	OGDEN	0.0	0	0.00	0.0	0	0.00
3.1	3	0.43	3.0	3	0.45	OKLAHOMA CITY	0.5	0	0.00	0.5	1	0.95
3.2	4	0.56	3.1	2	0.29	OMAHA	0.3	1	1.66	0.3	0	0.00
1.8	1	0.24	1.8	1	0.25	ORLANDO	0.5	0	0.00	0.5	0	0.00
6.9	3	0.19	6.6	2	0.13	PATERSON	0.4	1	1.22	0.4	0	0.00
1.3	1	0.35	1.2	2	0.72	PENSACOLA	0.4	1	1.17	0.4	1	1.17
1.9	2	0.46	1.8	1	0.26	PEORIA	0.1	0	0.00	0.1	0	0.00
23.0	21	0.41	22.2	21	0.42	PHILADELPHIA	5.4	10	0.83	5.4	4	0.33
4.6	5	0.49	4.4	5	0.51	PHOENIX	0.4	0	0.00	0.4	0	0.00
14.2	15	0.47	13.6	12	0.39	PITTSBURGH	1.2	1	0.37	1.2	1	0.37
0.9	0	0.00	0.9	0	0.00	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
1.1	6	2.36	1.1	1	0.40	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
4.8	13	1.20	4.6	4	0.39	PORTLAND OREG.	0.2	0	0.00	0.2	1	2.08
4.3	4	0.42	4.1	4	0.43	PROVIDENCE	0.1	0	0.00	0.1	0	0.00
0.9	3	1.48	0.8	1	0.53	PROVO	0.0	0	0.00	0.0	0	0.00
0.8	3	1.59	0.8	2	1.08	PUEBLO	0.0	0	0.00	0.0	1	26.28
1.0	0	0.00	1.0	0	0.00	RACINE	0.1	0	0.00	0.1	0	0.00
0.8	0	0.00	0.7	0	0.00	RALEIGH	0.3	1	1.36	0.3	0	0.00
1.5	0	0.00	1.6	1	0.31	READING	0.0	0	0.00	0.0	0	0.00
0.5	0	0.00	0.5	1	0.90	RENO	0.0	0	0.00	0.0	0	0.00
1.8	1	0.24	1.8	1	0.25	RICHMOND	0.8	0	0.00	0.8	1	0.55
0.8	2	1.04	0.8	0	0.00	ROANOKE	0.1	1	3.22	0.1	1	3.09
3.6	2	0.24	4.5	3	0.30	ROCHESTER	0.3	0	0.00	0.3	0	0.00
1.5	1	0.30	1.6	1	0.31	ROCKFORD	0.1	0	0.00	0.1	0	0.00
3.4	4	0.53	3.3	3	0.41	SACRAMENTO	0.3	1	1.36	0.3	0	0.00
1.3	2	0.67	1.3	0	0.00	SAGINAW	0.2	1	2.14	0.2	0	0.00
0.5	1	0.86	0.5	1	0.90	ST. JOSEPH	0.0	0	0.00	0.0	0	0.00
12.1	8	0.29	11.6	11	0.42	ST. LOUIS	2.6	5	0.84	2.7	4	0.67
3.2	2	0.28	3.1	4	0.58	SALT LAKE CITY	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	1	1.13	SAN ANGELO	0.0	0	0.00	0.0	0	0.00
5.0	10	0.90	4.8	1	0.09	SAN ANTONIO	0.4	1	1.21	0.4	0	0.00
5.4	4	0.33	5.2	2	0.17	SAN BERNARDINO	0.4	1	1.23	0.3	0	0.00
6.7	12	0.80	6.4	8	0.56	SAN DIEGO	0.5	0	0.00	0.5	0	0.00
14.4	17	0.53	13.9	9	0.29	SAN FRANCISCO	2.8	4	0.63	2.8	6	0.96
4.8	5	0.47	4.5	4	0.39	SAN JOSE	0.2	0	0.00	0.2	0	0.00
1.1	0	0.00	1.0	1	0.43	SANTA BARBARA	0.0	0	0.00	0.0	0	0.00
0.9	1	0.48	0.9	1	0.50	SAVANNAH	0.5	2	1.80	0.5	0	0.00
1.3	5	1.78	1.2	2	0.76	SCRANTON	0.0	0	0.00	0.0	0	0.00
7.1	11	0.69	6.8	7	0.46	SEATTLE	0.4	1	1.03	0.4	0	0.00
1.3	1	0.33	1.3	1	0.34	SHREVEPORT	0.8	0	0.00	0.8	0	0.00
0.7	0	0.00	0.7	0	0.00	SIOUX CITY	0.0	0	0.00	0.0	0	0.00
0.7	1	0.67	0.6	1	0.70	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
1.4	1	0.31	1.4	1	0.32	SOUTH BEND	0.1	0	0.00	0.1	0	0.00
1.8	1	0.24	1.8	1	0.25	SPOKANE	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	0.9	1	0.52	SPRINGFIELD I.	0.1	0	0.00	0.0	0	0.00
0.8	1	0.59	0.7	1	0.64	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
0.8	0	0.00	0.7	1	0.60	SPRINGFIELD O.	0.1	0	0.00	0.1	0	0.00
3.3	2	0.27	3.2	0	0.00	SPRINGFIELD MA	0.2	0	0.00	0.2	0	0.00
1.0	2	0.86	1.0	1	0.44	STEUBENVILLE	0.1	0	0.00	0.1	0	0.00
1.4	1	0.33	1.3	1	0.36	STOCKTON	0.2	0	0.00	0.2	0	0.00
3.9	9	1.03	3.7	3	0.36	SYRACUSE	0.2	0	0.00	0.1	0	0.00
1.9	4	0.93	1.9	2	0.48	TACOMA	0.2	0	0.00	0.2	0	0.00
3.5	2	0.25	3.4	4	0.53	TAMPA	0.8	1	0.56	0.8	1	0.56
0.6	2	1.45	0.6	0	0.00	TERRE HAUTE	0.0	0	0.00	0.0	0	0.00
0.4	0	0.00	0.4	0	0.00	TEXARKANA	0.2	1	2.44	0.2	0	0.00
2.8	6	0.95	2.7	4	0.67	TOLEDO	0.4	0	0.00	0.4	0	0.00
1.0	1	0.46	0.9	1	0.48	TOPEKA	0.1	0	0.00	0.1	0	0.00
1.3	2	0.70	1.3	0	0.00	TRENTON	0.3	0	0.00	0.3	1	1.58
1.8	1	0.25	1.7	2	0.52	TUCSON	0.1	1	3.19	0.2	1	2.94
2.5	2	0.34	2.4	5	0.93	TULSA	0.3	1	1.37	0.3	1	1.42
0.5	0	0.00	0.4	0	0.00	TUSCALOOSA	0.3	0	0.00	0.3	0	0.00
0.4	0	0.00	0.4	0	0.00	TYLER	0.2	0	0.00	0.2	1	2.37
2.1	4	0.84	2.1	4	0.86	UTICA	0.1	0	0.00	0.1	0	0.00
0.8	1	0.56	0.8	1	0.57	WACO	0.2	0	0.00	0.2	1	2.32
10.0	14	0.62	9.7	6	0.28	WASHINGTON	4.0	2	0.22	4.0	2	0.22
0.9	1	0.51	0.9	1	0.52	WATERLOO	0.1	0	0.00	0.1	0	0.00
0.9	0	0.00	0.9	0	0.00	W. PALM BEACH	0.4	0	0.00	0.5	2	1.93
1.1	1	0.42	1.0	1	0.43	WHEELING	0.0	0	0.00	0.0	0	0.00
2.5	8	1.42	2.4	2	0.37	WICHITA	0.2	0	0.00	0.2	0	0.00
0.9	0	0.00	0.8	0	0.00	WICHITA FALLS	0.1	0	0.00	0.1	0	0.00
1.7	1	0.26	1.7	1	0.26	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
2.3	2	0.39	2.2	1	0.20	WILMINGTON	0.4	1	1.14	0.4	0	0.00
1.0	0	0.00	0.9	1	0.48	WINSTON-SALEM	0.3	3	3.86	0.4	0	0.00
3.6	4	0.49	3.5	1	0.13	WORCESTER	0.0	0	0.00	0.0	0	0.00
1.5	1	0.30	1.4	2	0.62	YORK	0.1	0	0.00	0.1	0	0.00
3.2	2	0.28	3.0	4	0.59	YOUNGSTOWN	0.4	2	2.21	0.4	1	1.07
681.6	725	0.49	636.5	497	0.35	TOTAL 201 SMSA	111.3	171	0.69	111.5	128	0.51

ALL AGE STANDARD RATE = 0.45

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
HEMOLYTIC DISEASE OF NEWBORN (ERYTHROBLASTOSIS) (I.S.C. 770)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
2.3	1	0.54	2.2	2	1.12	ABILENE	0.1	0	0.00	0.1	0	0.00
9.1	18	2.46	8.9	16	2.27	AKRON	1.0	1	1.22	1.0	2	2.45
1.2	0	0.00	1.2	4	4.27	ALBANY GA	0.7	0	0.00	0.7	0	0.00
11.1	11	1.23	10.7	11	1.28	ALBANY NY	0.4	0	0.00	0.4	0	0.00
6.1	7	1.43	5.8	4	0.86	ALBUQUERQUE	0.3	0	0.00	0.2	0	0.00
8.1	10	1.53	7.8	3	0.48	ALLENTOWN	0.1	0	0.00	0.1	0	0.00
2.3	1	0.55	2.1	2	1.17	ALTOONA	0.0	0	0.00	0.0	0	0.00
2.9	0	0.00	2.9	2	0.89	AMARILLO	0.2	0	0.00	0.2	0	0.00
3.1	5	2.03	3.0	4	1.67	ANN ARBOR	0.3	0	0.00	0.3	0	0.00
1.9	2	1.33	1.8	1	0.70	ASHEVILLE	0.3	0	0.00	0.2	0	0.00
15.0	7	0.58	14.4	17	1.47	ATLANTA	5.3	6	1.41	5.5	5	1.14
2.0	2	1.22	2.0	1	0.63	ATLANTIC CITY	0.5	0	0.00	0.6	1	2.22
2.9	2	0.85	2.8	2	0.89	AUGUSTA	1.5	1	0.85	1.5	0	0.00
3.5	4	1.41	3.3	2	0.75	AUSTIN	0.6	1	2.17	0.5	0	0.00
5.5	4	0.91	5.3	2	0.47	BAKERSFIELD	0.5	0	0.00	0.5	0	0.00
24.1	25	1.29	23.3	31	1.65	BALTIMORE	8.9	3	0.42	9.0	5	0.69
3.3	4	1.48	3.2	1	0.39	BATON ROUGE	1.7	3	2.21	1.7	1	0.73
2.3	7	3.70	2.2	3	1.68	BAY CITY	0.0	0	0.00	0.0	0	0.00
4.8	3	0.77	4.6	6	1.62	BEAUMONT	1.5	2	1.66	1.5	0	0.00
1.7	0	0.00	1.6	1	0.79	BILLINGS	0.0	0	0.00	0.0	0	0.00
4.0	3	0.93	3.8	6	1.31	BINGHAMTON	0.0	0	0.00	0.0	0	0.00
7.5	4	0.66	7.1	5	0.88	BIRMINGHAM	4.9	1	0.25	5.0	0	0.00
53.2	83	1.94	51.2	79	1.91	BOSTON	2.0	0	0.00	2.1	0	0.00
10.6	10	1.17	10.3	8	0.96	BRIDGEPORT	0.9	0	0.00	0.8	0	0.00
4.8	7	1.82	4.5	4	1.07	BROCKTON	0.1	0	0.00	0.1	0	0.00
3.8	4	1.29	3.6	5	1.71	BROWNSVILLE	0.0	0	0.00	0.0	0	0.00
22.9	41	2.22	22.2	25	1.28	BUFFALO	2.3	3	1.59	2.3	1	0.54
6.0	7	1.44	5.8	6	1.28	CANTON	0.4	0	0.00	0.4	0	0.00
2.8	4	1.77	2.6	2	0.95	CEDAR RAPIDS	0.0	0	0.00	0.0	0	0.00
2.5	6	2.99	2.4	3	1.56	CHAMPAIGN	0.2	0	0.00	0.2	0	0.00
3.0	8	3.35	2.9	3	1.32	CHARLESTON SC	2.1	0	0.00	2.0	2	1.23
4.5	6	1.67	4.3	1	0.29	CHARLESTON WVA	0.3	0	0.00	0.3	0	0.00
4.0	3	0.93	3.8	2	0.64	CHARLOTTE	1.6	3	2.30	1.7	1	0.74
4.2	5	1.49	4.1	7	2.13	CHATTANOOGA	1.0	0	0.00	1.0	0	0.00
95.1	106	1.38	91.7	107	1.45	CHICAGO	23.2	7	0.37	23.4	6	0.32
18.3	21	1.42	17.9	30	2.09	CINCINNATI	3.0	2	0.84	3.0	2	0.82
27.7	29	1.30	26.4	37	1.73	CLEVELAND	6.1	3	0.61	6.3	6	1.19
2.8	2	0.90	[illegible]	5	2.30	COLORADO SPRGS	0.2	1	7.26	0.2	0	0.00
3.2	2	0.77	3.0	2	0.81	COLUMBIA	1.7	0	0.00	1.8	1	0.70
3.3	2	0.74	3.2	3	1.18	COLUMBUS GA	1.5	0	0.00	1.5	0	0.00
12.3	14	1.41	11.9	8	0.83	COLUMBUS OHIO	1.9	2	1.31	1.9	4	2.57
5.0	5	1.24	4.8	1	0.26	CORPUS CHRISTI	0.2	0	0.00	0.2	0	0.00
17.6	2	0.14	17.1	12	0.87	DALLAS	4.1	1	0.30	4.1	0	0.00
5.1	4	0.98	4.8	5	1.29	DAVENPORT	0.2	0	0.00	0.2	0	0.00
12.6	11	1.09	12.0	15	1.55	DAYTON	1.7	2	1.47	1.7	0	0.00
2.1	3	1.77	2.0	1	0.62	DECATUR	0.2	0	0.00	0.2	0	0.00
17.9	12	0.83	17.3	12	0.86	DENVER	1.0	2	2.56	0.9	0	0.00
4.9	2	0.50	4.7	4	1.05	DES MOINES	0.2	0	0.00	0.3	0	0.00
64.7	87	1.67	62.1	68	1.36	DETROIT	13.2	5	0.47	13.1	4	0.38
1.8	1	0.71	1.7	3	2.17	DUBUQUE	0.0	0	0.00	0.0	0	0.00
5.2	7	1.69	5.0	4	1.00	DULUTH	0.1	0	0.00	0.1	0	0.00
1.3	1	0.99	1.2	0	0.00	DURHAM	0.7	0	0.00	0.7	0	0.00
7.6	7	1.14	7.4	10	1.67	EL PASO	0.3	0	0.00	0.3	0	0.00
4.7	5	1.31	4.5	9	2.48	ERIE	0.2	0	0.00	0.2	0	0.00
3.0	4	1.67	2.9	1	0.42	EUGENE	0.0	0	0.00	0.0	0	0.00
3.5	4	1.43	3.3	2	0.76	EVANSVILLE	0.3	0	0.00	0.3	0	0.00
6.5	6	1.14	6.2	3	0.60	FALL RIVER	0.1	0	0.00	0.1	0	0.00
2.2	3	1.66	2.2	3	1.73	FARGO	0.0	0	0.00	0.0	0	0.00
7.6	13	2.11	7.4	12	2.02	FLINT	1.1	1	1.09	1.1	0	0.00
4.2	3	0.89	4.0	3	0.93	FT. LAUDERDALE	1.6	0	0.00	1.7	0	0.00
1.0	2	2.43	1.0	0	0.00	FORT SMITH	0.1	0	0.00	0.1	0	0.00
4.5	6	1.66	4.3	5	1.43	FORT WAYNE	0.4	0	0.00	0.4	0	0.00
9.9	4	0.50	9.5	7	0.91	FORT WORTH	1.5	2	1.61	1.5	1	0.82
6.6	4	0.76	6.4	2	0.39	FRESNO	0.6	1	1.91	0.6	0	0.00
1.4	1	0.86	1.4	2	1.82	GADSDEN	0.3	0	0.00	0.3	0	0.00
2.1	1	0.60	1.9	1	0.64	GALVESTON	0.7	0	0.00	0.7	0	0.00
10.4	9	1.07	9.9	16	2.00	GARY	2.3	2	1.07	2.4	0	0.00
7.3	9	1.53	7.0	9	1.60	GRAND RAPIDS	0.4	0	0.00	0.4	0	0.00
1.6	3	2.29	1.6	1	0.77	GREAT FALLS	0.1	0	0.00	0.0	0	0.00
2.8	4	1.75	2.7	6	2.74	GREEN BAY	0.0	0	0.00	0.0	0	0.00
3.6	3	1.03	3.5	0	0.00	GREENSBORO	1.2	3	3.20	1.1	0	0.00
3.3	4	1.50	3.2	4	1.57	GREENVILLE	0.9	1	1.43	0.9	0	0.00
3.9	4	1.27	3.6	2	0.68	HAMILTON	0.3	0	0.00	0.2	0	0.00
5.5	8	1.80	5.3	7	1.63	HARRISBURG	0.5	0	0.00	0.5	0	0.00
12.1	15	1.54	11.8	12	1.26	HARTFORD	0.9	0	0.00	0.8	0	0.00
3.9	5	1.60	3.8	3	0.99	HONOLULU	7.1	3	0.52	6.9	3	0.54
20.2	16	0.98	19.5	16	1.02	HOUSTON	6.3	3	0.59	6.3	2	0.39
4.4	4	1.14	4.2	6	1.79	HUNTINGTON	0.1	0	0.00	0.1	0	0.00
2.1	3	1.77	2.0	1	0.61	HUNTSVILLE	0.5	0	0.00	0.5	0	0.00
11.8	15	1.58	11.3	11	1.21	INDIANAPOLIS	2.4	1	0.51	2.4	2	1.03
2.5	3	1.51	2.4	4	2.07	JACKSON MICH	0.1	0	0.00	0.1	0	0.00
2.1	1	0.58	2.0	1	0.61	JACKSON MISS	1.9	0	0.00	1.9	0	0.00
7.0	6	1.06	6.8	3	0.55	JACKSONVILLE	2.6	0	0.00	2.5	0	0.00
8.5	13	1.89	8.2	16	2.42	JERSEY CITY	1.1	0	0.00	1.1	1	1.12
4.8	2	0.51	4.7	1	0.26	JOHNSTOWN	0.1	0	0.00	0.1	0	0.00
3.2	3	1.15	3.1	3	1.19	KALAMAZOO	0.2	0	0.00	0.2	0	0.00
17.8	12	0.84	17.0	19	1.39	KANSAS CITY	2.9	4	1.70	2.9	1	0.42
2.0	3	1.83	1.9	2	1.28	KENOSHA	0.0	0	0.00	0.0	0	0.00
6.1	6	1.22	5.7	5	1.09	KNOXVILLE	0.6	0	0.00	0.6	0	0.00
2.8	2	0.90	2.7	3	1.39	LAKE CHARLES	0.8	0	0.00	0.8	3	4.49
5.1	6	1.45	5.0	7	1.75	LANCASTER	0.1	0	0.00	0.1	0	0.00
6.0	3	0.62	5.8	5	1.07	LANSING	0.2	1	5.62	0.2	0	0.00
1.6	2	1.57	1.6	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
2.2	2	1.11	2.2	1	0.56	LAS VEGAS	0.4	0	0.00	0.4	0	0.00
1.7	2	1.47	1.6	1	0.77	LAWTON	0.3	0	0.00	0.3	0	0.00
2.1	1	0.60	1.9	2	1.27	LEXINGTON	0.4	0	0.00	0.4	0	0.00
1.9	2	1.31	1.8	4	2.77	LIMA	0.2	0	0.00	0.2	0	0.00
3.0	1	0.41	2.9	3	1.28	LINCOLN	0.1	0	0.00	0.1	0	0.00
3.5	3	1.07	3.4	2	0.73	LITTLE ROCK	1.3	0	0.00	1.2	0	0.00
4.5	8	2.22	4.3	4	1.14	LORAIN	0.3	0	0.00	0.3	0	0.00
109.8	102	1.15	105.7	108	1.27	LOS ANGELES	13.8	10	0.90	13.7	5	0.45

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

HEMOLYTIC DISEASE OF NEWBORN (ERYTHROBLASTOSIS) (I.S.C. 770)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
12.9	14	1.35	12.4	12	1.20	LOUISVILLE	1.9	0	0.00	1.9	0	0.00
3.2	4	1.54	3.1	3	1.18	LUBBOCK	0.4	0	0.00	0.4	0	0.00
1.5	4	3.33	1.4	1	0.89	LYNCHBURG	0.5	0	0.00	0.5	0	0.00
2.5	3	1.49	2.4	4	2.09	MACON	1.3	0	0.00	1.3	0	0.00
4.6	6	1.61	4.4	1	0.28	MADISON	0.1	0	0.00	0.1	0	0.00
3.2	4	1.55	3.1	6	2.37	MANCHESTER	0.0	0	0.00	0.0	0	0.00
7.4	7	1.17	7.1	12	2.09	MEMPHIS	5.7	3	0.66	5.8	1	0.21
11.9	7	0.73	11.3	7	0.77	MIAMI	3.7	2	0.67	3.7	0	0.00
1.4	0	0.00	1.4	1	0.86	MIDLAND	0.2	0	0.00	0.2	0	0.00
21.7	29	1.66	20.9	32	1.90	MILWAUKEE	2.1	0	0.00	2.1	2	1.19
30.8	39	1.57	29.8	36	1.50	MINNEAPOLIS	0.7	1	1.69	0.7	0	0.00
4.4	4	1.12	4.3	3	0.87	MOBILE	2.6	1	0.47	2.6	0	0.00
1.4	1	0.92	1.3	1	0.95	MONROE	0.9	0	0.00	0.8	0	0.00
2.1	3	1.76	2.0	2	1.23	MONTGOMERY	1.5	2	1.62	1.6	0	0.00
2.0	2	1.24	1.9	5	3.24	MUNCIE	0.1	0	0.00	0.1	0	0.00
2.9	3	1.26	2.8	4	1.75	MUSKEGON	0.4	2	6.91	0.4	0	0.00
5.9	10	2.10	5.7	6	1.29	NASHVILLE	1.6	1	0.79	1.6	2	1.53
23.2	37	1.98	22.5	25	1.38	NEWARK	5.1	7	1.69	5.1	0	0.00
10.9	14	1.59	10.5	17	2.00	NEW HAVEN	1.0	1	1.28	0.9	1	1.33
11.1	3	0.34	10.7	8	0.93	NEW ORLEANS	6.8	6	1.10	6.6	5	0.94
3.4	4	1.46	3.3	1	0.38	NEWPORT NEWS	1.4	0	0.00	1.4	1	0.87
142.9	136	1.18	137.8	141	1.27	NEW YORK	25.6	11	0.53	25.8	11	0.53
8.7	7	1.00	8.3	10	1.49	NORFOLK	3.6	1	0.34	3.7	0	0.00
2.0	2	1.24	2.0	3	1.91	ODESSA	0.1	0	0.00	0.1	0	0.00
2.5	0	0.00	2.4	2	1.04	OGDEN	0.1	0	0.00	0.1	0	0.00
8.7	9	1.29	8.3	11	1.65	OKLAHOMA CITY	1.3	0	0.00	1.3	0	0.00
8.9	15	2.09	8.6	15	2.16	OMAHA	0.7	0	0.00	0.7	0	0.00
5.1	7	1.69	5.0	3	0.74	ORLANDO	1.3	1	0.94	1.3	1	0.95
19.2	27	1.74	18.5	21	1.41	PATERSON	1.0	0	0.00	1.0	0	0.00
3.6	2	0.69	3.5	5	1.79	PENSACOLA	1.1	0	0.00	1.1	0	0.00
5.3	6	1.39	5.1	3	0.72	PEORIA	0.3	0	0.00	0.3	0	0.00
64.0	78	1.51	61.6	77	1.55	PHILADELPHIA	14.9	11	0.92	15.0	6	0.50
12.7	12	1.17	12.2	7	0.71	PHOENIX	1.0	0	0.00	1.0	0	0.00
39.3	33	1.04	37.9	41	1.34	PITTSBURGH	3.3	4	1.49	3.3	2	0.75
2.5	6	2.94	2.5	3	1.51	PITTSFIELD	0.0	0	0.00	0.0	0	0.00
3.1	3	1.18	3.1	3	1.20	PORTLAND MAINE	0.0	0	0.00	0.0	0	0.00
13.4	10	0.92	12.9	11	1.06	PORTLAND OREG.	0.6	0	0.00	0.6	0	0.00
11.8	10	1.05	11.4	17	1.84	PROVIDENCE	0.4	0	0.00	0.4	1	3.08
2.5	2	0.99	2.3	4	2.11	PROVO	0.0	0	0.00	0.0	0	0.00
2.3	2	1.04	2.3	5	2.69	PUEBLO	0.1	0	0.00	0.0	0	0.00
2.8	7	3.11	2.8	7	3.14	RACINE	0.2	0	0.00	0.2	0	0.00
2.2	0	0.00	2.1	4	2.39	RALEIGH	0.9	3	4.00	0.9	0	0.00
4.1	2	0.60	4.0	8	2.49	READING	0.1	0	0.00	0.1	0	0.00
1.4	5	4.33	1.4	3	2.69	RENO	0.1	0	0.00	0.1	0	0.00
5.1	3	0.72	4.9	2	0.51	RICHMOND	2.3	0	0.00	2.3	1	0.55
2.3	0	0.00	2.3	0	0.00	ROANOKE	0.4	0	0.00	0.4	0	0.00
10.1	12	1.47	9.6	12	1.55	ROCHESTER	0.8	1	1.60	0.8	0	0.00
4.1	2	0.60	4.0	2	0.63	ROCKFORD	0.3	1	4.79	0.3	0	0.00
9.4	14	1.84	9.0	15	2.06	SACRAMENTO	0.9	0	0.00	0.9	1	1.35
3.7	11	3.69	3.6	4	1.37	SAGINAW	0.6	0	0.00	0.6	0	0.00
1.4	1	0.86	1.4	1	0.89	ST. JOSEPH	0.1	0	0.00	0.0	0	0.00
33.7	36	1.33	32.3	26	1.00	ST. LOUIS	7.3	2	0.34	7.4	3	0.50
8.9	12	1.68	8.6	11	1.58	SALT LAKE CITY	0.1	0	0.00	0.1	0	0.00
1.1	1	1.10	1.1	0	0.00	SAN ANGELO	0.1	0	0.00	0.1	0	0.00
13.8	21	1.89	13.4	13	1.20	SAN ANTONIO	1.0	0	0.00	1.0	0	0.00
15.1	11	0.90	14.3	12	1.04	SAN BERNARDINO	1.0	0	0.00	1.0	3	3.85
18.5	28	1.89	17.6	11	0.77	SAN DIEGO	1.5	1	0.82	1.5	1	0.83
40.1	41	1.27	38.6	40	1.28	SAN FRANCISCO	7.8	7	1.11	7.8	9	1.43
13.3	10	0.93	12.7	9	0.88	SAN JOSE	0.5	1	2.62	0.5	0	0.00
3.1	2	0.81	2.9	3	1.28	SANTA BARBARA	0.1	0	0.00	0.1	0	0.00
2.6	3	1.43	2.5	1	0.50	SAVANNAH	1.4	2	1.80	1.4	1	0.86
3.5	5	1.78	3.4	3	1.10	SCRANTON	0.0	0	0.00	0.0	0	0.00
19.7	22	1.38	18.9	28	1.83	SEATTLE	1.2	1	1.03	1.2	0	0.00
3.7	8	2.67	3.6	2	0.69	SHREVEPORT	2.3	2	1.06	2.3	1	0.54
2.0	0	0.00	1.9	2	1.29	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
1.8	2	1.35	1.8	1	0.70	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
4.0	5	1.54	3.8	5	1.62	SOUTH BEND	0.4	0	0.00	0.4	1	3.26
5.1	7	1.69	4.9	3	0.76	SPOKANE	0.1	0	0.00	0.1	0	0.00
2.5	5	2.46	2.4	5	2.60	SPRINGFIELD I.	0.1	0	0.00	0.1	0	0.00
2.1	3	1.78	1.9	0	0.00	SPRINGFIELD MO	0.0	0	0.00	0.0	0	0.00
2.1	3	1.74	2.1	1	0.60	SPRINGFIELD O.	0.3	0	0.00	0.3	0	0.00
9.2	15	2.03	8.8	7	0.99	SPRINGFIELD MA	0.4	0	0.00	0.4	0	0.00
2.9	8	3.42	2.8	4	1.77	STEUBENVILLE	0.2	2	16.48	0.2	0	0.00
3.8	6	1.95	3.7	2	0.67	STOCKTON	0.5	2	4.91	0.5	0	0.00
10.8	10	1.15	10.3	19	2.29	SYRACUSE	0.4	0	0.00	0.4	0	0.00
5.3	6	1.39	5.2	7	1.68	TACOMA	0.5	0	0.00	0.5	0	0.00
9.8	12	1.51	9.4	6	0.79	TAMPA	2.2	0	0.00	2.2	1	0.56
1.7	2	1.45	1.7	4	2.97	TERRE HAUTE	0.1	0	0.00	0.1	0	0.00
1.1	0	0.00	1.0	0	0.00	TEXARKANA	0.5	0	0.00	0.5	0	0.00
7.8	9	1.43	7.6	8	1.34	TOLEDO	1.0	1	1.18	1.1	2	2.28
2.7	5	2.30	2.6	2	0.96	TOPEKA	0.3	0	0.00	0.2	0	0.00
3.6	2	0.70	3.5	2	0.71	TRENTON	0.8	0	0.00	0.8	0	0.00
4.9	8	2.01	4.7	5	1.31	TUCSON	0.4	0	0.00	0.4	0	0.00
6.9	8	1.43	6.7	4	0.74	TULSA	0.9	0	0.00	0.9	0	0.00
1.3	2	1.97	1.2	1	1.00	TUSCALOOSA	0.8	0	0.00	0.8	0	0.00
1.0	1	1.19	1.0	0	0.00	TYLER	0.5	0	0.00	0.5	0	0.00
5.9	5	1.06	5.8	10	2.14	UTICA	0.1	0	0.00	0.1	0	0.00
2.2	0	0.00	2.2	1	0.57	WACO	0.5	0	0.00	0.5	0	0.00
27.8	34	1.51	26.9	23	1.06	WASHINGTON	11.2	6	0.66	11.1	5	0.56
2.4	5	2.54	2.4	5	2.62	WATERLOO	0.1	0	0.00	0.2	0	0.00
2.6	6	2.85	2.6	3	1.44	W. PALM BEACH	1.2	1	1.00	1.3	0	0.00
3.0	7	2.92	2.9	6	2.57	WHEELING	0.1	0	0.00	0.1	0	0.00
7.0	8	1.42	6.7	7	1.30	WICHITA	0.7	0	0.00	0.7	1	1.85
2.4	0	0.00	2.3	1	0.53	WICHITA FALLS	0.2	0	0.00	0.2	0	0.00
4.9	3	0.77	4.7	5	1.31	WILKES-BARRE	0.0	0	0.00	0.0	0	0.00
6.3	3	0.59	6.1	13	2.66	WILMINGTON	1.1	1	1.14	1.1	1	1.16
2.7	2	0.91	2.6	2	0.95	WINSTON-SALEM	1.0	2	2.57	1.0	0	0.00
10.1	9	1.10	9.7	17	2.18	WORCESTER	0.1	0	0.00	0.1	0	0.00
4.2	7	2.08	4.0	5	1.56	YORK	0.1	0	0.00	0.1	0	0.00
8.8	18	2.53	8.3	12	1.78	YOUNGSTOWN	1.1	2	2.22	1.2	2	2.14
1837.9	2011	1.36	1769.2	1916	1.34	TOTAL 201 SMSA	309.2	173	0.69	309.7	125	0.50

ALL AGE STANDARD RATE = 1.24

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER DISEASES PECULIAR TO EARLY INFANCY (I.S.C. 771-773)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
8.5	11	5.99	8.2	8	4.50	ABILENE	0.5	1	8.92	0.5	2	17.72
33.8	28	3.83	32.6	24	3.40	AKRON	3.8	6	7.34	3.8	4	4.90
4.5	3	3.09	4.3	4	4.27	ALBANY GA	2.5	11	19.98	2.4	4	7.60
41.4	35	3.91	39.8	14	1.62	ALBANY NY	1.6	2	5.64	1.6	2	5.65
22.7	47	9.57	21.5	31	6.65	ALBUQUERQUE	1.0	6	29.14	0.9	2	10.10
30.2	32	4.90	28.9	17	2.72	ALLENTOWN	0.4	2	23.00	0.4	0	0.00
8.4	9	4.93	7.9	8	4.67	ALTOONA	0.1	0	0.00	0.1	0	0.00
10.9	20	8.45	10.4	9	4.01	AMARILLO	0.8	0	0.00	0.7	0	0.00
11.4	16	6.49	11.1	6	2.50	ANN ARBOR	1.0	1	4.61	0.9	0	0.00
6.9	6	4.00	6.6	6	4.20	ASHEVILLE	1.0	0	0.00	0.9	0	0.00
56.1	62	5.11	53.5	47	4.06	ATLANTA	19.7	69	16.16	20.3	56	12.72
7.6	7	4.24	7.3	2	1.26	ATLANTIC CITY	2.0	0	0.00	2.1	0	0.00
10.8	17	7.25	10.3	7	3.13	AUGUSTA	5.5	13	11.01	5.5	8	6.73
13.1	13	4.60	12.3	7	2.62	AUSTIN	2.1	3	6.50	2.0	6	13.66
20.4	7	1.59	19.8	7	1.63	BAKERSFIELD	1.8	3	7.50	1.8	1	2.55
89.7	110	5.67	86.8	59	3.14	BALTIMORE	33.0	81	11.33	33.7	62	8.51
12.5	7	2.60	12.0	7	2.70	BATON ROUGE	6.3	12	8.85	6.3	4	2.93
8.8	10	5.29	8.3	2	1.12	BAY CITY	0.0	0	0.00	0.1	0	0.00
18.1	14	3.59	17.1	10	2.71	BEAUMONT	5.6	14	11.64	5.6	11	9.09
6.2	7	5.24	5.9	5	3.93	BILLINGS	0.1	0	0.00	0.1	0	0.00
14.9	6	1.86	14.2	1	0.33	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
28.0	33	5.45	26.4	16	2.81	BIRMINGHAM	18.2	33	8.37	18.5	28	7.03
198.2	189	4.41	190.7	128	3.10	BOSTON	7.8	8	4.67	7.7	9	5.43
39.6	32	3.73	38.6	7	0.84	BRIDGEPORT	3.2	6	8.72	3.1	0	0.00
17.8	9	2.34	17.3	11	2.94	BROCKTON	0.4	2	21.87	0.4	1	10.90
14.3	29	9.39	13.5	17	5.83	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
85.3	61	3.30	82.7	37	2.07	BUFFALO	8.7	18	9.55	8.6	17	9.13
22.4	18	3.71	21.7	8	1.70	CANTON	1.7	3	8.35	1.6	0	0.00
10.5	6	1.77	9.7	2	0.95	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
9.3	9	4.47	8.9	4	2.08	CHAMPAIGN	0.6	1	6.10	0.7	0	0.00
11.0	16	6.71	10.5	15	6.58	CHARLESTON SC	7.7	18	10.85	7.5	8	4.90
16.6	30	8.34	16.1	14	4.02	CHARLESTON WVA	1.1	2	8.58	1.0	1	4.64
14.9	10	3.91	14.3	7	2.26	CHARLOTTE	6.0	11	8.44	6.2	6	4.46
15.6	23	6.80	15.2	9	2.76	CHATTANOOGA	3.9	16	19.18	3.9	5	5.92
354.5	164	2.14	341.8	102	1.38	CHICAGO	96.5	24	1.28	87.2	22	1.17
68.4	102	6.90	64.3	64	4.46	CINCINNATI	11.1	19	7.96	11.2	14	5.77
103.2	123	5.51	98.6	83	3.89	CLEVELAND	22.9	74	14.95	23.3	64	12.68
10.3	33	14.81	10.0	17	7.83	COLORADO SPRGS	0.6	2	14.50	0.6	1	7.24
12.0	7	2.70	11.3	12	4.89	COLUMBIA	6.4	11	7.89	6.6	10	7.02
12.2	31	11.78	11.8	12	4.71	COLUMBUS GA	5.4	5	4.26	5.4	5	4.14
45.8	66	6.65	44.3	42	4.38	COLUMBUS OHIO	7.1	16	10.47	7.2	13	8.36
18.6	20	4.97	17.9	15	3.87	CORPUS CHRISTI	0.9	1	4.97	0.8	3	16.79
65.6	92	6.49	63.6	52	3.78	DALLAS	15.4	53	15.92	15.1	36	11.00
18.7	25	6.12	17.9	15	3.87	DAVENPORT	0.6	1	7.79	0.6	0	0.00
46.8	50	4.94	44.8	34	3.51	DAYTON	6.3	11	8.10	6.4	8	5.80
7.8	11	6.49	7.5	5	3.10	DECATUR	0.6	0	0.00	0.5	0	0.00
66.8	137	9.49	64.4	78	5.60	DENVER	3.6	11	14.07	3.5	5	6.56
18.4	30	7.57	17.6	16	4.20	DES MOINES	0.9	1	4.98	0.9	1	4.95
241.2	142	2.72	231.5	85	1.70	DETROIT	49.4	69	6.46	49.8	40	3.79
6.5	21	14.85	6.4	11	7.95	DUBUQUE	0.0	0	0.00	0.0	0	0.00
19.3	15	3.59	18.6	19	4.73	DULUTH	0.2	0	0.00	0.3	0	0.00
4.7	8	7.89	4.5	3	3.08	DURHAM	2.5	4	7.30	2.7	8	13.50
26.3	35	5.72	27.6	14	2.34	EL PASO	1.0	3	13.56	1.1	0	0.00
17.6	20	5.26	16.8	16	4.41	ERIE	0.7	1	6.40	0.8	4	23.29
11.1	9	3.75	11.0	3	1.26	EUGENE	0.1	0	0.00	0.1	0	0.00
12.9	9	3.22	12.1	9	3.43	EVANSVILLE	1.0	6	27.69	1.0	1	4.50
24.2	19	3.62	23.2	15	2.99	FALL RIVER	0.4	0	0.00	0.4	0	0.00
8.3	8	4.44	8.0	11	6.33	FARGO	0.0	0	0.00	0.1	0	0.00
28.5	17	2.76	27.4	8	1.35	FLINT	4.2	6	6.53	4.2	3	3.33
15.5	18	5.37	14.9	8	2.48	FT. LAUDERDALE	6.1	19	14.43	6.4	4	2.87
3.8	5	6.09	3.7	1	1.24	FORT SMITH	0.4	0	0.00	0.4	0	0.00
16.7	16	4.42	16.1	5	1.43	FORT WAYNE	1.4	4	13.39	1.4	2	6.82
36.9	34	4.25	35.4	26	3.40	FORT WORTH	5.7	14	11.28	5.6	8	6.58
24.5	38	7.18	23.7	31	6.05	FRESNO	2.4	4	7.64	2.2	0	0.00
5.4	9	7.75	5.1	2	1.82	GADSDEN	1.3	1	3.63	1.3	1	3.61
7.7	9	5.40	7.2	3	1.91	GALVESTON	2.6	1	1.81	2.5	10	18.70
38.9	14	1.67	37.0	5	0.63	GARY	8.6	2	1.07	8.9	7	3.64
27.2	15	2.55	26.0	13	2.31	GRAND RAPIDS	1.6	1	2.96	1.6	0	0.00
6.1	8	6.09	6.0	7	5.38	GREAT FALLS	0.2	0	0.00	0.2	0	0.00
10.6	18	7.85	10.1	12	5.47	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.4	10	3.44	13.2	8	2.80	GREENSBORO	4.3	16	17.04	4.3	7	7.59
12.3	12	4.50	11.8	10	3.92	GREENVILLE	3.2	7	10.01	3.3	5	7.04
14.6	19	6.01	13.5	13	4.44	HAMILTON	1.0	1	4.86	0.9	3	14.90
20.5	21	4.74	19.9	21	4.88	HARRISBURG	2.0	9	20.64	1.9	1	2.42
45.0	47	4.82	43.9	26	2.74	HARTFORD	3.3	8	11.27	3.1	8	11.80
14.5	38	12.13	14.1	24	7.88	HONOLULU	26.6	40	6.95	25.6	25	4.52
75.3	59	3.62	72.8	50	3.17	HOUSTON	23.6	52	10.18	23.5	29	5.70
16.3	14	3.98	15.5	4	1.19	HUNTINGTON	0.5	0	0.00	0.5	0	0.00
7.8	14	8.28	7.5	5	3.06	HUNTSVILLE	1.9	2	4.83	2.0	2	4.57
43.9	38	4.00	42.2	21	2.30	INDIANAPOLIS	9.0	16	8.21	9.0	18	9.23
9.2	3	1.51	8.9	5	2.58	JACKSON MICH	0.5	1	9.44	0.5	1	10.12
8.0	17	9.83	7.6	7	4.24	JACKSON MISS	7.1	32	20.84	7.3	29	18.48
26.2	37	6.53	25.3	21	3.86	JACKSONVILLE	9.5	30	14.57	9.5	14	6.81
31.9	27	3.92	30.6	28	4.23	JERSEY CITY	4.1	6	6.73	4.1	4	4.46
18.1	24	6.14	17.6	19	5.00	JOHNSTOWN	0.3	0	0.00	0.3	0	0.00
12.1	5	1.91	11.6	4	1.59	KALAMAZOO	0.6	0	0.00	0.6	0	0.00
66.2	76	5.30	63.3	53	3.87	KANSAS CITY	10.9	24	10.19	10.9	15	6.35
7.6	11	6.72	7.2	3	1.92	KENOSHA	0.1	0	0.00	0.1	0	0.00
22.7	14	2.86	21.3	13	2.83	KNOXVILLE	2.1	2	4.36	2.2	3	6.40
10.3	6	2.69	10.0	9	4.17	LAKE CHARLES	3.1	1	1.51	3.1	4	5.99
19.1	18	4.36	18.5	7	1.75	LANCASTER	0.3	1	13.71	0.4	3	36.74
22.3	12	2.49	21.6	9	1.92	LANSING	0.8	0	0.00	0.8	0	0.00
5.9	8	6.29	5.8	5	4.00	LAREDO	0.0	0	0.00	0.0	0	0.00
8.3	14	7.78	8.2	15	8.45	LAS VEGAS	1.4	3	9.96	1.4	2	6.81
6.3	6	4.42	6.0	12	9.20	LAWTON	1.1	1	4.17	1.1	1	4.28
7.7	15	8.98	7.3	12	7.64	LEXINGTON	1.5	2	5.99	1.5	1	2.98
7.0	9	5.91	6.7	4	2.77	LIMA	0.7	0	0.00	0.7	0	0.00
11.3	2	0.82	10.8	5	2.14	LINCOLN	0.3	0.	0.00	0.3	0	0.00
13.0	8	2.84	12.6	1	0.37	LITTLE ROCK	4.8	16	15.46	4.6	14	14.15
16.6	8	2.22	16.2	9	2.58	LORAIN	1.3	4	14.54	1.3	0	0.00
409.3	481	5.43	394.1	285	3.34	LOS ANGELES	91.4	103	9.26	91.1	66	5.97

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

OTHER DISEASES PECULIAR TO EARLY INFANCY (I.S.C. 771-773)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
48.0	35	3.37	44.4	21	2.09	LOUISVILLE	7.2	12	7.68	7.1	13	8.50
12.0	35	13.46	11.7	25	9.84	LUBBOCK	1.3	6	20.62	1.5	7	22.00
5.6	3	2.50	5.2	2	1.77	LYNCHBURG	1.9	5	12.45	1.8	2	5.07
9.3	7	3.49	8.8	4	2.09	MACON	4.9	25	23.77	4.9	9	8.43
17.3	26	6.96	16.3	19	5.39	MADISON	0.2	0	0.00	0.3	0	0.00
11.9	22	8.55	11.7	8	3.16	MANCHESTER	0.0	0	0.00	0.0	0	0.00
27.6	49	8.20	26.5	33	5.76	MEMPHIS	21.1	26	5.70	21.5	23	4.94
44.4	76	7.91	42.1	53	5.81	MIAMI	13.8	60	20.08	13.7	51	17.19
5.4	3	2.59	5.4	2	1.71	MIDLAND	0.6	1	8.00	0.6	0	0.00
80.9	89	5.09	77.8	66	3.92	MILWAUKEE	7.8	38	22.40	7.8	37	22.01
114.9	108	4.34	111.3	69	2.87	MINNEAPOLIS	2.7	7	11.84	2.5	3	5.48
16.6	18	5.02	15.8	9	2.62	MOBILE	9.7	25	11.86	9.8	9	4.24
5.0	10	9.18	4.9	7	6.62	MONROE	3.2	10	14.37	3.0	2	3.08
7.9	6	3.53	7.5	3	1.85	MONTGOMERY	5.7	9	7.30	5.8	3	2.38
7.4	9	5.60	7.1	5	3.24	MUNCIE	0.5	1	9.58	0.4	1	10.45
11.0	6	2.53	10.6	6	2.62	MUSKEGON	1.3	0	0.00	1.4	0	0.00
22.0	51	10.72	21.4	26	5.61	NASHVILLE	5.9	11	8.67	6.1	8	6.10
86.4	77	4.12	83.9	55	3.03	NEWARK	19.1	38	9.18	19.1	29	7.01
40.7	61	6.93	39.2	46	5.42	NEW HAVEN	3.6	21	26.80	3.5	20	26.57
41.4	42	4.69	39.8	21	2.44	NEW ORLEANS	25.3	46	8.42	24.6	36	6.77
12.6	20	7.31	12.3	19	7.16	NEWPORT NEWS	5.3	11	9.56	5.3	12	10.44
532.7	379	3.29	513.4	257	2.31	NEW YORK	95.4	234	11.33	96.1	190	9.14
32.3	44	6.30	31.0	22	3.28	NORFOLK	13.6	26	8.85	13.8	33	11.07
7.5	10	6.19	7.3	8	5.08	ODESSA	0.5	0	0.00	0.5	0	0.00
9.3	5	2.49	8.9	9	4.66	OGDEN	0.3	0	0.00	0.2	0	0.00
32.3	50	7.15	30.9	40	5.99	OKLAHOMA CITY	4.8	28	26.90	4.9	27	25.71
33.1	43	6.00	32.2	31	4.46	OMAHA	2.8	4	6.64	2.8	1	1.65
19.1	25	6.05	18.6	10	2.48	ORLANDO	4.9	10	9.41	4.9	6	5.69
71.6	47	3.16	68.8	33	2.22	PATERSON	3.8	5	6.12	3.7	0	0.00
13.4	21	7.25	12.9	7	2.51	PENSACOLA	3.9	9	10.53	3.9	4	4.69
19.9	4	0.93	19.1	8	1.93	PEORIA	1.0	1	4.41	1.1	0	0.00
238.6	335	6.49	229.7	210	4.23	PHILADELPHIA	55.5	146	12.16	55.9	137	11.32
47.4	55	5.37	45.4	32	3.26	PHOENIX	3.8	7	8.46	3.8	6	7.34
146.5	141	4.45	141.1	120	3.93	PITTSBURGH	12.4	32	11.88	12.4	21	7.85
9.4	14	6.87	9.2	3	1.51	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
11.7	19	7.48	11.6	12	4.78	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
50.0	50	4.62	47.9	28	2.70	PORTLAND OREG.	2.1	1	2.21	2.2	1	2.08
44.1	24	2.52	42.6	12	1.30	PROVIDENCE	1.5	2	6.26	1.5	3	9.22
9.4	6	2.96	8.8	4	2.11	PROVO	0.0	0	0.00	0.0	0	0.00
8.7	9	4.78	8.6	7	3.77	PUEBLO	0.2	1	23.65	0.2	0	0.00
10.4	5	2.22	10.3	6	2.69	RACINE	0.6	0	0.00	0.7	0	0.00
8.0	10	5.75	7.7	5	2.99	RALEIGH	3.5	11	14.69	3.4	9	12.09
15.4	11	3.29	14.8	10	3.12	READING	0.4	0	0.00	0.4	0	0.00
5.3	8	6.92	5.1	3	2.70	RENO	0.3	1	15.02	0.4	1	12.91
19.1	37	8.94	18.3	22	5.56	RICHMOND	8.5	37	20.20	8.4	36	19.73
8.7	9	4.77	8.4	10	5.51	ROANOKE	1.4	5	16.09	1.5	5	15.46
37.8	19	2.32	35.7	7	0.91	ROCHESTER	2.9	6	9.61	2.9	2	3.17
15.3	10	3.02	14.8	9	2.82	ROCKFORD	1.0	2	9.58	1.0	1	4.53
35.2	43	5.65	33.7	21	2.88	SACRAMENTO	3.4	8	10.91	3.4	0	0.00
13.8	10	3.34	13.5	8	2.75	SAGINAW	2.1	1	2.16	2.1	1	2.16
5.4	5	4.32	5.2	3	2.66	ST. JOSEPH	0.2	1	22.00	0.2	0	0.00
125.5	94	3.46	120.4	59	2.26	ST. LOUIS	27.4	104	17.54	27.6	78	13.06
33.1	25	3.49	32.1	19	2.73	SALT LAKE CITY	0.4	0	0.00	0.4	0	0.00
4.2	2	2.19	4.1	3	3.39	SAN ANGELO	0.3	0	0.00	0.3	0	0.00
51.6	93	8.33	50.1	60	5.54	SAN ANTONIO	3.8	12	14.46	3.9	8	9.54
56.3	60	4.93	53.5	38	3.28	SAN BERNARDINO	3.8	9	11.09	3.6	4	5.13
69.0	57	3.82	65.8	30	2.11	SAN DIEGO	5.6	9	7.40	5.6	6	4.97
149.5	181	5.59	144.0	91	2.92	SAN FRANCISCO	29.2	45	7.13	29.0	25	3.98
49.6	57	5.31	47.3	36	3.52	SAN JOSE	1.8	2	5.25	1.7	1	2.72
11.4	5	2.03	10.8	6	2.56	SANTA BARBARA	0.5	0	0.00	0.5	2	18.15
9.7	16	7.61	9.3	5	2.48	SAVANNAH	5.1	12	10.81	5.4	9	7.77
13.0	26	9.56	12.6	16	5.89	SCRANTON	0.1	2	161.02	0.1	0	0.00
73.5	76	4.78	70.6	51	3.34	SEATTLE	4.5	12	12.34	4.5	8	8.14
13.8	33	11.03	13.5	18	6.18	SHREVEPORT	8.7	36	19.02	8.6	25	13.43
7.4	8	4.97	7.2	7	4.50	SIOUX CITY	0.2	1	23.80	0.2	0	0.00
6.9	8	5.39	6.6	6	4.18	SIOUX FALLS	0.0	0	0.00	0.1	0	0.00
15.0	20	6.18	14.3	6	1.94	SOUTH BEND	1.4	2	6.65	1.4	4	13.04
19.1	18	4.36	18.3	7	1.77	SPOKANE	0.6	1	8.37	0.5	2	17.81
9.4	6	2.95	8.9	2	1.04	SPRINGFIELD I.	0.5	0	0.00	0.5	0	0.00
7.8	4	2.37	7.2	7	4.47	SPRINGFIELD MO	0.2	0	0.00	0.2	0	0.00
8.0	2	1.16	7.7	5	3.01	SPRINGFIELD O.	1.0	1	4.72	1.1	0	0.00
34.2	29	3.92	32.6	12	1.70	SPRINGFIELD MA	1.6	1	2.86	1.6	2	5.75
10.8	10	4.28	10.4	5	2.21	STEUBENVILLE	0.6	4	32.98	0.6	1	8.03
14.2	14	4.55	13.8	11	3.70	STOCKTON	1.9	2	4.91	1.9	0	0.00
40.3	36	4.12	38.3	25	3.01	SYRACUSE	1.6	2	5.76	1.5	3	9.13
19.9	22	5.10	19.3	18	4.31	TACOMA	1.8	4	10.25	1.8	1	2.56
36.6	46	5.81	35.0	37	4.89	TAMPA	8.3	19	10.61	8.3	7	3.90
6.4	7	5.09	6.2	5	3.71	TERRE HAUTE	0.4	0	0.00	0.4	1	12.70
4.0	0	0.00	3.8	2	2.45	TEXARKANA	1.9	0	0.00	1.9	5	12.35
29.0	24	3.82	27.9	7	1.17	TOLEDO	3.9	4	4.73	4.1	1	1.14
10.0	11	5.06	9.7	19	9.09	TOPEKA	1.0	3	14.41	0.8	2	10.98
13.3	10	3.49	13.0	7	2.48	TRENTON	3.0	9	14.04	2.9	6	9.49
18.4	31	7.79	17.7	20	5.22	TUCSON	1.4	1	3.19	1.6	5	14.72
25.9	13	2.32	24.9	19	3.52	TULSA	3.4	2	2.74	3.3	2	2.83
4.7	5	4.91	4.6	1	1.00	TUSCALOOSA	2.9	6	9.71	2.9	6	9.68
3.9	5	5.94	3.7	1	1.26	TYLER	2.0	4	9.42	2.0	6	14.22
21.9	26	5.07	21.6	18	3.85	UTICA	0.5	0	0.00	0.5	3	26.52
8.3	17	9.48	8.0	7	4.02	WACO	2.0	3	6.96	2.0	6	13.89
103.8	111	4.94	100.2	77	3.55	WASHINGTON	41.7	65	7.20	41.5	52	5.78
9.1	22	11.19	8.8	6	3.14	WATERLOO	0.5	1	8.58	0.6	1	8.15
9.7	16	7.59	9.6	16	7.71	W. PALM BEACH	4.6	6	5.99	4.8	7	6.75
11.1	7	2.93	10.8	7	3.00	WHEELING	0.3	1	15.26	0.3	1	15.26
26.1	41	7.27	24.8	21	3.91	WICHITA	2.4	5	9.50	2.5	8	14.77
9.0	6	3.08	8.7	6	3.16	WICHITA FALLS	0.7	2	12.33	0.7	2	12.66
18.1	19	4.85	17.6	14	3.68	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
23.5	23	4.52	22.6	11	2.25	WILMINGTON	4.0	5	5.71	4.0	2	2.31
10.2	18	8.16	9.7	10	4.77	WINSTON-SALEM	3.6	4	5.15	3.7	11	13.88
37.8	29	3.55	36.0	22	2.82	WORCESTER	0.4	0	0.00	0.3	0	0.00
15.6	14	4.15	15.0	9	2.77	YORK	0.5	2	17.60	0.5	2	16.97
32.8	25	3.52	31.1	19	2.82	YOUNGSTOWN	4.2	6	6.64	4.3	5	5.34
6850.0	7017	4.73	6590.5	4478	3.14	TOTAL 201 SMSA	1152.9	2422	9.71	1154.6	1831	7.33

ALL AGE STANDARD RATE = 4.62

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
SYMPTOMS, SENILITY, AND ILL-DEFINED CONDITIONS (I.S.C. 780-795)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
11.1	27	18.12	12.7	20	11.66	ABILENE	0.5	5	73.55	0.5	8	111.11
47.8	126	19.56	54.4	66	9.00	AKRON	3.4	21	46.53	3.5	12	25.53
3.6	5	10.19	4.0	1	1.86	ALBANY GA	2.1	6	20.78	2.8	12	32.09
73.4	33	3.34	91.2	27	2.20	ALBANY NY	1.5	6	29.98	1.6	2	9.46
20.2	206	75.58	21.9	97	32.93	ALBUQUERQUE	0.6	19	225.80	0.6	7	83.66
54.4	15	2.05	64.3	12	1.39	ALLENTOWN	0.4	2	38.59	0.4	0	0.00
16.4	4	1.81	13.9	4	1.50	ALTOONA	0.1	0	0.00	0.1	0	0.00
12.0	17	10.55	13.3	8	4.46	AMARILLO	0.6	1	12.00	0.6	2	23.87
14.3	1	0.52	17.5	3	2.12	ANN ARBOR	1.1	0	0.00	1.0	1	7.13
12.6	5	2.95	15.2	12	5.86	ASHEVILLE	1.5	5	24.86	1.8	4	16.53
68.1	75	8.17	86.5	48	4.12	ATLANTA	18.6	70	27.93	23.7	47	14.71
17.6	3	1.27	21.7	8	2.73	ATLANTIC CITY	3.2	5	11.61	3.7	1	2.02
12.3	20	12.12	14.5	12	4.16	AUGUSTA	5.5	17	23.10	6.8	18	19.65
17.2	21	9.06	20.6	29	10.44	AUSTIN	2.7	8	22.00	3.4	10	22.11
25.5	13	3.78	25.7	3	0.87	BAKERSFIELD	2.1	1	3.51	1.6	4	18.60
132.2	52	2.92	142.3	61	2.79	BALTIMORE	31.6	12	2.82	34.2	14	3.04
12.2	6	3.65	14.3	11	5.73	BATON ROUGE	6.3	7	8.31	7.2	8	8.20
10.7	4	2.78	11.9	3	1.86	BAY CITY	0.1	0	0.00	0.1	0	0.00
21.6	18	6.29	23.9	10	3.11	BEAUMONT	5.5	12	16.25	5.7	9	11.80
7.7	13	12.60	9.0	4	3.70	BILLINGS	0.1	1	91.99	0.1	0	0.00
23.1	6	1.93	27.9	6	1.60	BINGHAMTON	0.2	0	0.00	0.2	0	0.00
39.6	132	24.75	49.6	91	13.96	BIRMINGHAM	20.0	253	94.04	24.0	231	71.34
334.6	242	5.37	441.7	157	7.64	BOSTON	8.3	4	3.57	9.1	5	4.06
66.9	43	4.77	80.3	31	2.87	BRIDGEPORT	2.7	3	8.26	3.0	3	7.49
28.5	13	3.39	35.3	7	1.47	BROCKTON	0.6	1	11.57	0.5	0	0.00
12.6	102	60.24	14.6	65	35.60	BROWNSVILLE	0.1	1	60.94	0.1	1	- - -
129.3	46	2.64	151.0	44	2.16	BUFFALO	7.0	10	10.54	7.0	2	2.13
35.5	20	4.19	40.4	8	1.47	CANTON	1.6	1	4.68	1.6	0	0.00
14.8	11	5.53	18.0	9	3.72	CEDAR RAPIDS	0.1	0	0.00	0.2	0	0.00
10.9	0	0.00	12.7	1	0.59	CHAMPAIGN	0.6	2	24.32	0.6	0	0.00
10.7	111	77.23	12.6	48	28.36	CHARLESTON SC	5.4	416	566.82	7.0	359	380.66
22.2	23	7.71	24.6	23	6.94	CHARLESTON WVA	1.6	7	32.47	1.7	1	4.36
17.1	7	3.05	21.7	3	1.02	CHARLOTTE	5.1	7	10.25	6.1	0	0.00
22.3	164	54.69	26.8	96	26.62	CHATTANOOGA	4.6	144	234.09	5.6	141	187.26
561.1	450	5.95	651.7	277	3.16	CHICAGO	76.2	133	12.95	83.6	78	6.92
99.8	60	2.98	129.3	43	2.47	CINCINNATI	12.4	20	12.00	13.6	11	6.10
161.9	46	2.11	190.3	41	1.60	CLEVELAND	21.7	9	3.07	23.8	15	4.68
12.9	2	1.15	16.1	2	0.92	COLORADO SPRGS	0.4	0	0.00	0.5	0	0.00
15.2	19	9.28	18.4	9	3.63	COLUMBIA	5.8	23	29.20	6.9	19	20.57
11.5	20	12.90	13.6	13	7.10	COLUMBUS GA	4.7	27	42.26	6.2	28	23.71
57.9	148	18.98	72.0	82	8.45	COLUMBUS OHIO	7.7	69	66.80	8.1	39	35.88
16.9	21	9.23	19.2	14	5.70	CORPUS CHRISTI	0.8	2	17.93	0.9	1	7.85
85.2	171	14.99	105.7	107	7.52	DALLAS	14.1	50	26.41	15.0	49	24.25
29.4	8	2.02	34.4	6	1.29	DAVENPORT	0.6	0	0.00	0.5	0	0.00
60.2	53	6.53	70.2	51	5.39	DAYTON	6.1	12	14.67	6.3	11	12.93
12.5	8	4.74	15.4	9	4.36	DECATUR	0.5	1	14.16	0.6	1	13.48
88.0	42	3.54	106.9	39	2.71	DENVER	3.4	2	4.32	3.7	3	5.99
26.8	5	1.39	34.0	7	1.53	DES MOINES	1.1	1	6.70	1.3	1	5.89
314.7	89	2.10	341.7	64	1.39	DETROIT	45.9	20	3.23	48.5	28	4.29
8.6	8	6.88	11.4	7	4.57	DUBUQUE	0.0	0	0.00	0.0	0	0.00
34.1	26	5.66	34.4	18	3.88	DULUTH	0.2	0	0.00	0.2	0	0.00
6.7	8	8.83	9.7	4	3.41	DURHAM	2.9	13	33.31	3.6	11	22.75
23.1	46	14.77	25.0	60	17.11	EL PASO	0.8	3	28.52	0.7	0	0.00
26.3	13	3.67	30.3	22	5.39	ERIE	0.5	1	13.76	0.6	0	0.00
16.5	12	5.39	17.4	8	3.41	EUGENE	0.1	0	0.00	0.1	0	0.00
20.2	17	6.23	25.2	8	2.35	EVANSVILLE	1.6	4	19.12	1.7	0	0.00
44.6	15	2.50	58.0	21	2.69	FALL RIVER	0.6	0	0.00	0.5	0	0.00
10.9	7	4.75	11.7	1	0.63	FARGO	0.0	0	0.00	0.0	0	0.00
31.8	7	1.63	34.7	4	0.85	FLINT	2.7	0	0.00	2.7	1	2.75
35.0	8	1.70	37.3	6	1.19	FT. LAUDERDALE	3.9	6	11.39	4.0	3	5.55
7.1	7	7.35	8.6	4	3.45	FORT SMITH	0.5	0	0.00	0.6	0	0.00
22.2	15	5.02	26.9	9	2.48	FORT WAYNE	0.9	0	0.00	1.0	2	15.52
47.9	83	12.87	56.9	61	7.95	FORT WORTH	5.7	25	32.72	6.3	15	17.64
34.2	11	2.39	36.6	11	2.23	FRESNO	3.2	0	0.00	2.3	1	3.20
7.9	15	14.15	9.1	20	16.36	GADSDEN	1.3	4	23.59	1.5	10	50.46
10.2	9	6.54	11.1	6	4.00	GALVESTON	2.7	4	11.07	2.8	4	10.60
46.3	25	4.01	44.1	24	3.87	GARY	7.0	7	7.46	7.1	3	3.12
36.5	93	18.92	43.9	49	8.28	GRAND RAPIDS	1.2	5	29.72	1.3	7	39.45
7.4	46	46.21	7.2	19	19.48	GREAT FALLS	0.1	2	121.58	0.1	0	0.00
12.5	10	5.96	14.0	13	6.88	GREEN BAY	0.1	0	0.00	0.1	0	0.00
16.8	11	4.86	20.7	6	2.15	GREENSBORO	4.0	10	18.47	4.5	11	18.07
14.7	17	8.61	17.8	10	4.18	GREENVILLE	2.9	15	38.13	3.5	10	21.02
18.0	18	7.42	20.7	11	3.95	HAMILTON	0.9	2	15.90	0.9	1	7.86
34.5	19	4.09	43.4	19	3.25	HARRISBURG	2.0	3	10.99	2.3	1	3.25
69.7	27	2.88	84.5	27	2.43	HARTFORD	2.5	8	23.75	2.6	5	14.18
12.9	10	5.77	12.5	10	5.95	HONOLULU	28.3	30	7.87	23.9	13	4.04
84.6	61	5.35	96.7	64	4.91	HOUSTON	20.4	23	8.36	22.4	19	6.30
26.7	64	17.78	30.3	46	11.27	HUNTINGTON	1.0	1	7.37	1.0	1	7.38
7.6	33	32.09	8.3	24	21.38	HUNTSVILLE	1.9	12	46.96	2.2	8	26.81
60.2	16	1.97	75.2	18	1.78	INDIANAPOLIS	9.7	9	6.87	10.8	3	2.06
13.6	4	2.19	15.7	5	2.37	JACKSON MICH	0.8	0	0.00	0.5	0	0.00
9.7	96	73.78	12.4	20	11.97	JACKSON MISS	6.5	201	228.35	7.7	170	163.72
30.1	28	6.90	35.7	21	4.37	JACKSONVILLE	9.2	19	15.29	10.7	20	13.89
84.3	38	4.38	75.5	21	2.07	JERSEY CITY	3.2	10	23.27	3.6	4	8.26
32.0	17	3.94	34.1	18	3.92	JOHNSTOWN	0.4	1	20.67	0.3	0	0.00
16.4	14	6.35	19.5	24	9.13	KALAMAZOO	0.5	0	0.00	0.5	0	0.00
96.7	58	4.45	120.6	85	5.23	KANSAS CITY	12.5	18	10.71	13.7	13	7.06
10.7	9	6.24	11.3	5	3.27	KENOSHA	0.1	0	0.00	0.1	0	0.00
31.9	245	57.05	37.9	183	35.81	KNOXVILLE	2.7	86	237.26	3.2	65	148.85
9.2	7	5.65	9.9	2	1.49	LAKE CHARLES	2.6	1	2.90	2.6	4	11.36
30.3	10	2.45	39.3	17	3.29	LANCASTER	0.4	1	20.35	0.4	0	0.00
28.5	10	2.60	33.2	5	1.12	LANSING	0.7	0	0.00	0.6	0	0.00
5.5	42	56.40	6.6	21	23.58	LAREDO	0.0	0	0.00	0.0	0	0.00
10.4	8	5.68	9.5	6	4.68	LAS VEGAS	0.9	1	8.17	0.8	0	0.00
6.5	26	29.74	6.5	12	13.71	LAWTON	0.8	4	37.66	0.8	3	28.86
11.0	9	6.09	13.5	8	4.40	LEXINGTON	2.3	0	0.00	2.6	3	8.60
10.8	2	1.37	12.4	1	0.60	LIMA	0.6	0	0.00	0.6	0	0.00
16.3	3	1.37	20.7	5	1.79	LINCOLN	0.3	0	0.00	0.2	0	0.00
19.2	26	10.03	23.0	17	5.50	LITTLE ROCK	5.7	23	30.02	6.4	19	22.05
19.9	19	7.08	21.8	9	3.10	LORAIN	1.1	2	13.69	1.1	1	6.94
627.4	143	1.69	796.9	131	1.22	LOS ANGELES	49.0	15	2.27	51.6	19	2.73

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
SYMPTOMS, SENILITY, AND ILL-DEFINED CONDITIONS (I.S.C. 780-795)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
62.5	43	5.10	79.1	38	3.57	LOUISVILLE	8.7	6	5.09	10.0	5	3.73
11.8	18	11.33	13.1	12	4.82	LUBBOCK	1.0	3	23.07	0.9	3	24.11
8.8	3	2.54	11.3	5	3.29	LYNCHBURG	2.3	13	41.79	2.6	5	14.08
10.2	8	5.84	12.7	7	4.09	MACON	4.4	8	13.43	6.0	11	13.64
21.7	8	2.74	25.7	9	2.60	MADISON	0.2	1	34.21	0.2	0	0.00
19.6	52	19.72	25.3	24	7.05	MANCHESTER	0.1	0	0.00	0.0	0	0.00
35.2	169	35.60	45.7	95	15.43	MEMPHIS	22.1	394	132.43	25.0	363	107.76
93.9	24	1.90	101.8	29	2.11	MIAMI	10.1	11	8.08	10.5	1	0.71
4.4	5	8.47	4.7	0	0.00	MIDLAND	0.4	0	0.00	0.5	4	64.37
119.1	31	1.93	138.7	40	2.14	MILWAUKEE	4.9	4	6.09	4.7	2	3.16
149.3	93	4.62	182.5	79	3.21	MINNEAPOLIS	2.6	3	8.69	2.5	0	0.00
18.3	20	8.10	21.5	20	6.90	MOBILE	8.1	24	21.97	9.8	25	18.92
6.6	6	6.77	7.5	5	4.97	MONROE	3.3	4	8.95	3.7	4	7.96
9.0	47	38.80	11.6	32	20.42	MONTGOMERY	5.6	140	186.50	7.5	159	156.97
10.8	16	11.04	12.6	23	13.59	MUNCIE	0.6	3	37.71	0.6	0	0.00
13.7	3	1.63	15.0	6	2.98	MUSKEGON	1.0	0	0.00	1.0	0	0.00
30.5	46	11.20	39.4	35	6.60	NASHVILLE	7.4	16	15.98	8.8	17	14.33
160.0	44	2.04	197.7	43	1.61	NEWARK	18.0	14	5.79	21.0	6	2.13
69.4	89	9.52	82.5	55	4.95	NEW HAVEN	2.9	14	35.74	3.0	9	22.29
56.1	50	6.62	77.2	35	3.60	NEW ORLEANS	22.8	10	3.25	27.7	13	3.48
13.4	6	3.34	13.9	9	4.81	NEWPORT NEWS	5.4	14	19.35	5.3	20	27.80
1045.1	674	4.79	1242.0	478	2.86	NEW YORK	101.4	303	22.19	122.2	180	10.93
34.2	45	9.78	38.7	39	7.49	NORFOLK	12.9	62	35.74	14.2	42	21.95
6.1	33	40.38	6.0	3	3.70	ODESSA	0.3	6	135.07	0.3	0	0.00
10.1	44	32.38	10.8	27	18.49	OGDEN	0.3	9	223.77	0.2	1	36.31
45.8	643	104.21	55.0	258	34.86	OKLAHOMA CITY	4.3	158	270.03	4.6	97	157.39
44.6	23	2.19	52.8	14	1.97	OMAHA	2.6	2	5.69	2.9	2	5.16
28.6	11	2.86	32.6	17	3.87	ORLANDO	4.6	5	8.10	4.7	6	12.73
119.0	47	2.93	140.7	32	1.69	PATERSON	3.4	5	11.07	3.0	2	3.79
13.5	16	8.80	14.9	12	5.97	PENSACOLA	3.1	3	7.23	3.6	8	16.49
29.9	11	2.73	35.4	4	0.86	PEORIA	0.9	0	0.00	0.9	0	0.00
389.2	181	3.45	476.4	164	2.56	PHILADELPHIA	98.9	113	14.23	67.0	88	9.75
59.7	64	7.94	62.4	44	5.24	PHOENIX	3.4	22	67.74	3.0	9	22.35
245.4	780	23.59	274.6	317	8.51	PITTSBURGH	16.4	168	75.81	16.5	73	32.83
16.2	10	4.59	20.8	10	3.57	PITTSFIELD	0.2	0	0.00	0.2	0	0.00
20.8	8	2.85	27.3	14	3.80	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
94.6	101	7.92	110.4	66	5.78	PORTLAND OREG.	2.4	6	18.55	2.9	2	7.48
79.0	20	1.88	99.6	21	1.56	PROVIDENCE	1.4	0	0.00	1.5	0	0.00
9.0	22	18.10	9.8	18	13.63	PROVO	0.0	0	0.00	0.0	0	0.00
13.0	6	3.44	14.4	5	2.57	PUEBLO	0.3	0	0.00	0.3	0	0.00
14.6	7	3.55	16.5	5	2.25	RACINE	0.4	1	- - -	0.3	0	0.00
10.9	19	12.97	13.1	11	6.26	RALEIGH	3.6	32	65.64	4.3	16	27.58
32.1	26	6.02	37.4	32	6.36	READING	0.4	1	17.41	0.4	0	0.00
8.6	8	6.89	9.4	0	0.00	RENO	0.3	2	45.92	0.3	0	0.00
29.0	43	11.02	39.1	37	7.03	RICHMOND	9.6	27	20.95	11.6	34	22.93
14.2	20	10.43	17.8	16	6.68	ROANOKE	2.0	9	34.02	2.2	6	19.89
63.6	16	1.69	79.6	5	0.47	ROCHESTER	1.8	0	0.00	1.9	0	0.00
20.6	6	2.16	23.8	8	2.49	ROCKFORD	0.6	0	0.00	0.7	0	0.00
45.3	10	1.64	47.6	13	2.03	SACRAMENTO	3.5	2	4.19	2.7	1	2.78
17.6	4	1.69	19.9	6	2.24	SAGINAW	1.4	2	10.67	1.4	1	5.38
11.8	117	73.35	15.1	51	24.09	ST. JOSEPH	0.4	6	117.11	0.5	3	48.29
186.7	451	17.93	234.4	268	8.46	ST. LOUIS	28.0	65	17.22	32.2	50	11.51
34.9	244	51.97	40.1	189	34.96	SALT LAKE CITY	0.6	15	184.87	0.4	0	0.00
6.4	18	20.88	7.5	11	10.76	SAN ANGELO	0.3	2	45.73	0.4	2	39.25
56.4	48	6.32	67.8	48	5.25	SAN ANTONIO	4.1	3	5.46	5.1	2	2.92
85.3	91	6.44	92.8	34	2.72	SAN BERNARDINO	3.4	1	2.16	3.2	2	4.66
92.1	9	0.73	105.6	9	0.63	SAN DIEGO	4.1	1	1.79	3.9	2	3.85
261.6	77	2.18	315.4	101	2.38	SAN FRANCISCO	29.1	11	2.80	25.9	11	3.15
56.5	27	3.54	67.3	28	3.09	SAN JOSE	1.9	1	3.83	1.6	0	0.00
16.8	5	2.21	20.3	9	3.29	SANTA BARBARA	0.6	0	0.00	0.5	1	15.66
10.6	10	7.09	13.3	13	7.26	SAVANNAH	5.4	8	11.08	6.7	7	7.71
26.8	19	5.26	33.4	23	5.12	SCRANTON	0.1	0	0.00	0.1	0	0.00
116.2	57	3.64	131.2	62	3.51	SEATTLE	5.4	0	0.00	4.1	0	0.00
16.9	13	5.70	20.2	17	6.26	SHREVEPORT	9.4	6	4.74	11.2	8	5.30
12.9	5	2.88	16.5	7	3.57	SIOUX CITY	0.2	0	0.00	0.2	1	38.39
9.1	16	13.04	10.3	6	4.34	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
23.2	21	6.72	26.2	28	7.94	SOUTH BEND	1.2	0	0.00	1.2	0	0.00
32.8	29	6.57	35.9	12	2.48	SPOKANE	0.6	0	0.00	0.5	1	16.14
16.3	31	14.09	20.6	25	9.03	SPRINGFIELD I.	0.7	5	52.67	0.8	1	9.02
14.6	31	15.78	18.1	20	8.19	SPRINGFIELD MO	0.3	0	0.00	0.4	1	21.12
13.4	5	2.77	16.1	2	0.92	SPRINGFIELD O.	1.3	0	0.00	1.5	1	4.81
56.3	52	6.86	71.1	79	8.25	SPRINGFIELD MA	1.2	1	6.22	1.3	1	5.61
17.4	11	4.69	17.9	8	3.33	STEUBENVILLE	0.7	1	10.37	0.7	2	21.91
26.3	28	7.91	26.0	11	3.16	STOCKTON	3.3	6	13.62	1.7	4	17.01
60.0	23	2.85	71.4	16	1.66	SYRACUSE	1.1	3	19.62	1.1	1	6.48
34.0	27	5.90	36.8	32	6.45	TACOMA	1.1	3	18.87	1.0	3	22.50
105.1	429	30.30	115.6	179	11.49	TAMPA	7.9	106	99.06	9.5	74	64.53
12.6	10	5.89	15.3	11	5.36	TERRE HAUTE	0.6	2	25.57	0.6	0	0.00
8.0	51	47.37	9.2	28	22.67	TEXARKANA	2.6	28	74.55	2.9	20	51.77
45.8	15	2.43	54.6	18	2.45	TOLEDO	3.8	1	1.96	4.0	3	5.51
14.3	45	23.30	17.9	33	13.72	TOPEKA	1.2	4	25.25	1.2	1	6.20
25.0	3	0.89	29.9	2	0.50	TRENTON	2.8	1	2.68	2.8	2	5.27
23.4	29	7.04	25.8	20	5.76	TUCSON	1.6	25	118.51	1.5	19	95.56
38.2	261	50.71	45.1	133	21.90	TULSA	3.9	54	102.88	4.5	33	54.98
7.7	54	52.29	8.7	18	15.33	TUSCALOOSA	2.8	82	216.13	3.1	93	125.93
6.7	12	13.34	7.9	3	4.73	TYLER	2.3	10	31.62	2.6	8	23.10
38.8	17	3.26	46.1	17	2.76	UTICA	0.4	0	0.00	0.4	1	19.40
13.6	19	10.36	16.1	13	5.98	WACO	2.6	16	46.46	3.0	14	34.66
131.0	92	5.21	170.5	66	2.87	WASHINGTON	41.1	38	6.87	46.5	16	2.55
12.2	7	4.24	14.5	2	1.02	WATERLOO	0.4	0	0.00	0.4	0	0.00
24.2	16	4.91	26.9	19	5.25	W. PALM BEACH	4.6	53	85.03	4.0	28	51.88
23.2	16	5.12	27.0	19	5.23	WHEELING	0.6	1	[illegible]	0.6	0	0.00
29.3	73	18.50	35.0	48	10.18	WICHITA	1.8	1	4.07	1.9	4	15.82
11.7	16	8.68	13.0	7	3.99	WICHITA FALLS	0.8	4	37.15	0.8	4	36.38
38.6	44	8.49	48.1	35	5.40	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
31.6	7	1.66	37.2	6	1.20	WILMINGTON	4.3	2	3.48	4.2	2	3.51
12.2	18	10.93	14.9	16	7.95	WINSTON-SALEM	3.7	23	45.54	4.7	19	30.00
67.8	33	3.61	84.8	16	1.40	WORCESTER	0.4	0	0.00	0.4	0	0.00
25.9	20	5.74	30.0	19	4.71	YORK	0.5	3	48.23	0.5	0	0.00
49.7	17	2.54	53.7	12	1.66	YOUNGSTOWN	4.3	2	3.45	4.1	4	7.26
10424.9	10667	7.80	12416.3	7168	4.29	TOTAL 201 SMSA	1129.0	4197	27.59	1238.8	3262	19.55

ALL AGE STANDARD RATE = 7.42

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MOTOR VEHICLE ACCIDENTS TO PEDESTRIANS (I.S.C. E812,E830)

WHITE MALE			WHITE FEMALE			SMSA	NON-WHITE MALE			NON-WHITE FEMALE		
EXP.	OBS.	RATE	EXP.	OBS.	RATE		EXP.	OBS.	RATE	EXP.	OBS.	RATE
6.8	7	4.50	7.4	0	0.00	ABILENE	0.3	0	0.00	0.3	1	13.01
29.7	39	5.71	31.8	13	1.78	AKRON	2.3	2	3.81	2.3	2	3.71
2.5	2	3.43	2.6	1	1.64	ALBANY GA	1.4	4	12.46	1.8	5	12.42
42.6	50	5.10	49.3	21	1.95	ALBANY NY	1.0	1	4.54	1.0	0	0.00
13.7	29	7.93	14.3	5	1.53	ALBUQUERQUE	0.4	3	29.23	0.4	0	0.00
31.9	45	6.13	35.4	15	1.84	ALLENTOWN	0.2	1	17.54	0.2	0	0.00
9.4	13	6.01	10.7	2	0.81	ALTOONA	0.1	0	0.00	0.1	0	0.00
7.8	16	7.77	8.1	2	1.07	AMARILLO	0.4	2	20.37	0.4	1	10.58
8.9	9	4.38	9.9	3	1.32	ANN ARBOR	0.7	0	0.00	0.7	0	0.00
7.4	13	7.60	8.4	8	4.14	ASHEVILLE	0.9	0	0.00	1.0	0	0.00
43.6	65	6.49	50.7	33	2.83	ATLANTA	12.3	32	11.34	14.6	12	3.57
9.8	17	7.56	11.3	14	5.38	ATLANTIC CITY	1.9	4	9.20	2.1	2	4.15
8.3	12	6.29	8.8	4	1.98	AUGUSTA	3.6	7	8.42	4.2	5	5.13
10.7	7	2.84	11.8	4	1.48	AUSTIN	1.6	5	13.42	1.9	0	0.00
16.3	29	7.72	16.1	17	4.59	BAKERSFIELD	1.4	5	16.11	1.1	0	0.00
81.1	140	7.91	92.0	57	2.70	BALTIMORE	21.9	76	15.75	22.0	22	4.34
8.2	12	6.34	9.0	3	1.45	BATON ROUGE	4.1	13	13.84	4.5	11	10.56
6.6	11	7.24	7.1	4	2.46	BAY CITY	0.0	0	0.00	0.0	0	0.00
13.9	20	6.25	14.6	4	1.19	BEAUMONT	3.6	9	10.85	3.7	3	3.51
4.8	1	0.91	4.9	2	1.77	BILLINGS	0.1	0	0.00	0.0	0	0.00
13.6	13	4.15	15.3	5	1.42	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
24.5	37	6.59	28.0	13	2.02	BIRMINGHAM	13.0	43	14.60	14.7	18	5.31
195.3	300	6.68	234.2	112	2.08	BOSTON	5.2	12	10.05	5.5	3	2.37
39.6	33	3.63	44.3	12	1.18	BRIDGEPORT	1.7	3	7.46	1.9	0	0.00
16.3	19	5.06	18.7	3	0.70	BROCKTON	0.4	0	0.00	0.3	0	0.00
8.5	18	9.22	8.9	6	2.94	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
77.8	123	6.88	85.5	52	2.65	BUFFALO	4.7	6	5.51	4.7	1	0.92
21.0	38	7.87	22.7	8	1.54	CANTON	1.1	3	12.28	1.1	0	0.00
8.7	1	0.50	9.8	4	1.78	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
6.9	3	1.88	7.3	1	0.60	CHAMPAIGN	0.4	0	0.00	0.4	0	0.00
7.3	13	7.79	7.7	5	2.81	CHARLESTON SC	4.1	22	23.40	4.7	9	8.25
14.0	17	5.30	15.0	8	2.32	CHARLESTON WVA	1.0	4	17.85	1.0	1	4.21
11.1	22	8.65	12.9	11	3.70	CHARLOTTE	3.5	16	19.89	4.0	7	7.66
13.8	23	7.27	15.7	10	2.78	CHATTANOOGA	2.9	6	8.95	3.4	1	1.29
338.0	406	5.20	369.4	168	1.98	CHICAGO	49.9	90	7.85	53.3	29	2.37
59.4	68	4.98	70.6	48	2.96	CINCINNATI	7.6	17	9.74	8.2	6	3.18
97.8	127	5.65	108.4	71	2.85	CLEVELAND	14.2	41	12.56	15.1	9	2.59
8.1	7	3.78	9.0	2	0.97	COLORADO SPRGS	0.3	0	0.00	0.3	0	0.00
10.2	19	6.42	10.8	7	2.81	COLUMBIA	4.1	12	12.76	4.5	7	6.78
8.0	12	6.53	8.5	4	2.05	COLUMBUS GA	3.3	6	7.84	3.9	0	0.00
35.4	60	7.37	40.5	12	1.29	COLUMBUS OHIO	4.8	9	8.19	5.0	7	6.13
11.6	21	7.85	12.0	9	3.27	CORPUS CHRISTI	0.6	2	15.49	0.6	1	7.29
53.2	56	4.59	61.0	16	1.16	DALLAS	8.9	20	9.74	9.4	9	4.16
17.4	24	7.00	19.0	8	1.86	DAVENPORT	0.4	0	0.00	0.4	0	0.00
37.2	37	4.32	40.9	18	1.91	DAYTON	3.9	5	5.56	4.1	4	4.28
7.2	11	6.60	8.3	4	2.09	DECATUR	0.3	0	0.00	0.4	0	0.00
53.7	70	5.68	60.4	31	2.23	DENVER	2.2	3	5.91	2.3	4	7.59
16.0	13	3.53	18.7	12	2.80	DES MOINES	0.7	2	12.93	0.7	2	11.85
197.9	303	6.66	404.6	113	2.40	DETROIT	30.8	56	7.62	32.0	11	1.50
5.1	10	8.54	6.1	0	0.00	DUBUQUE	0.0	0	0.00	0.0	0	0.00
19.8	33	7.24	19.6	12	2.66	DULUTH	0.1	0	0.00	0.1	1	35.17
4.2	3	3.10	5.0	2	1.75	DURHAM	1.9	6	13.57	2.2	1	1.94
16.0	39	10.58	17.0	15	3.84	EL PASO	0.5	0	0.00	0.5	0	0.00
15.7	24	6.65	17.1	8	2.03	ERIE	0.4	1	11.42	0.4	0	0.00
10.1	16	6.02	10.3	3	1.27	EUGENE	0.1	0	0.00	0.0	0	0.00
12.0	10	3.64	13.8	3	0.94	EVANSVILLE	[illegible]	2	9.82	1.0	2	9.16
25.9	33	5.55	31.1	13	1.82	FALL RIVER	0.4	0	0.00	0.3	0	0.00
6.7	9	5.82	6.9	1	0.63	FARGO	0.0	0	0.00	0.0	0	0.00
20.2	36	7.77	20.9	8	1.66	FLINT	1.9	3	6.96	1.9	1	2.30
20.6	24	5.08	21.2	4	0.82	FT. LAUDERDALE	2.8	10	15.67	2.9	4	6.05
4.1	7	7.48	4.7	2	1.85	FORT SMITH	0.3	1	14.04	0.4	0	0.00
13.6	13	4.16	15.3	7	1.99	FORT WAYNE	0.6	2	13.80	0.7	0	0.00
29.9	34	6.95	33.2	15	1.97	FORT WORTH	3.6	10	12.17	3.8	4	4.53
21.2	46	9.42	21.8	17	3.40	FRESNO	1.9	6	13.55	1.5	3	8.51
4.9	9	7.97	5.4	4	3.23	GADSDEN	0.9	1	5.10	0.9	1	4.63
6.5	7	4.65	6.8	0	0.00	GALVESTON	1.7	6	14.99	1.8	0	0.00
29.5	35	5.15	28.7	8	1.21	GARY	4.8	7	6.37	4.9	3	2.68
22.1	21	4.12	24.8	18	3.16	GRAND RAPIDS	0.8	2	10.32	0.9	0	0.00
4.5	5	4.80	4.4	3	2.94	GREAT FALLS	0.1	1	52.70	0.1	0	0.00
7.7	9	5.06	8.3	6	3.14	GREEN BAY	0.1	0	0.00	0.1	0	0.00
10.8	15	6.06	12.3	6	2.12	GREENSBORO	2.7	5	7.96	3.0	3	4.42
9.5	18	8.21	10.9	3	1.21	GREENVILLE	2.0	5	10.96	2.3	1	1.91
11.1	21	8.20	12.0	6	2.17	HAMILTON	0.6	1	7.19	0.6	2	13.93
20.4	32	6.81	23.6	8	1.47	HARRISBURG	1.3	0	0.00	1.4	1	3.09
41.6	47	4.92	46.0	18	1.70	HARTFORD	1.7	1	2.59	1.7	0	0.00
9.1	12	5.71	8.2	3	1.59	HONOLULU	18.5	40	9.40	16.4	12	3.18
55.0	66	5.22	59.6	34	2.48	HOUSTON	13.5	25	8.07	14.3	14	4.25
15.8	19	5.22	17.2	5	1.27	HUNTINGTON	0.5	2	16.09	0.6	1	7.62
5.1	7	3.97	5.3	0	0.00	HUNTSVILLE	1.2	3	10.55	1.4	0	0.00
36.3	51	6.11	42.2	16	1.65	INDIANAPOLIS	6.0	14	10.19	6.5	9	6.06
8.1	8	4.30	8.7	3	1.51	JACKSON MICH	0.5	2	18.45	0.3	2	29.34
6.1	12	8.56	7.2	5	3.01	JACKSON MISS	4.3	10	10.16	4.8	4	3.64
19.6	42	9.32	21.5	7	1.42	JACKSONVILLE	6.0	27	19.72	6.7	13	8.46
37.8	62	7.14	42.0	21	2.18	JERSEY CITY	2.2	6	12.07	2.4	1	1.83
18.8	29	6.70	19.5	9	2.01	JOHNSTOWN	0.2	0	0.00	0.2	3	58.58
10.0	8	3.49	11.1	3	1.17	KALAMAZOO	0.3	0	0.00	0.3	0	0.00
57.3	68	5.16	66.1	36	2.37	KANSAS CITY	7.5	16	9.28	8.0	2	1.09
6.6	6	3.98	6.7	3	1.96	KENOSHA	0.1	0	0.00	0.1	0	0.00
19.9	32	6.99	22.3	9	1.76	KNOXVILLE	1.7	0	0.00	1.9	0	0.00
6.2	9	6.34	6.4	2	1.37	LAKE CHARLES	1.7	3	7.66	1.7	2	5.00
17.6	26	6.42	20.4	10	2.14	LANCASTER	0.2	0	0.00	0.2	0	0.00
17.6	19	4.69	19.1	7	1.59	LANSING	0.4	1	9.69	0.4	1	10.38
3.7	7	8.24	4.1	1	1.05	LAREDO	0.0	0	0.00	0.0	0	0.00
6.7	11	7.16	6.1	10	7.16	LAS VEGAS	0.6	1	6.89	0.6	1	7.44
4.4	4	3.99	4.0	2	2.17	LAWTON	0.6	0	0.00	0.5	1	8.49
6.6	15	9.83	7.5	2	1.15	LEXINGTON	1.3	3	9.69	1.4	0	0.00
6.3	10	6.85	6.9	3	1.89	LIMA	0.4	0	0.00	0.4	0	0.00
9.5	10	4.58	11.0	4	1.58	LINCOLN	0.2	1	23.53	0.2	0	0.00
11.6	14	5.26	12.9	7	2.36	LITTLE ROCK	3.4	7	8.96	3.7	7	8.24
12.5	19	6.62	12.9	4	1.35	LORAIN	0.7	1	6.14	0.7	1	6.24
377.2	592	6.83	440.0	302	2.99	LOS ANGELES	31.9	65	8.88	33.1	40	5.26

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
MOTOR VEHICLE ACCIDENTS TO PEDESTRIANS (I.S.C. E812-E830)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
38.4	83	9.40	44.6	31	3.02	LOUISVILLE	5.3	12	9.91	5.8	2	1.50
7.8	13	7.23	8.2	1	0.53	LUBBOCK	0.7	6	39.67	0.7	2	13.37
5.2	9	7.00	6.2	0	0.00	LYNCHBURG	1.4	3	9.02	1.6	2	5.51
6.7	9	5.82	7.7	3	1.69	MACON	3.0	8	11.48	3.7	7	8.21
13.2	17	5.59	14.6	6	1.79	MADISON	0.1	0	0.00	0.1	0	0.00
11.6	16	6.01	13.7	2	0.66	MANCHESTER	0.0	0	0.00	0.0	0	0.00
22.4	26	5.05	26.2	15	2.49	MEMPHIS	13.8	27	8.50	15.2	15	4.31
54.7	77	6.12	57.7	39	2.96	MIAMI	7.0	29	18.04	7.2	11	6.64
3.0	3	4.28	3.2	2	2.73	MIDLAND	0.3	0	0.00	0.3	0	0.00
71.8	90	5.45	78.6	38	2.10	MILWAUKEE	3.4	7	8.87	3.4	2	2.55
90.6	137	6.58	103.0	65	2.74	MINNEAPOLIS	1.6	4	10.67	1.6	0	0.00
12.0	18	6.55	13.0	11	3.67	MOBILE	5.5	17	13.43	6.3	4	2.78
4.1	6	6.37	4.4	2	1.96	MONROE	2.0	8	17.02	2.2	0	0.00
5.8	3	2.27	6.7	5	3.23	MONTGOMERY	3.7	9	10.68	4.5	5	4.85
6.5	6	4.03	7.1	3	1.83	MUNCIE	0.4	1	11.93	0.4	1	12.04
8.5	10	5.12	8.9	5	2.44	MUSKEGON	0.7	1	6.20	0.7	0	0.00
18.6	32	7.47	22.1	18	3.54	NASHVILLE	4.5	14	13.53	5.2	3	2.52
94.2	106	4.90	108.0	48	1.93	NEWARK	11.8	23	8.51	13.2	5	1.65
40.7	45	4.81	45.2	22	2.12	NEW HAVEN	1.9	4	9.32	1.9	2	4.48
35.0	56	6.96	41.2	17	1.79	NEW ORLEANS	15.1	21	6.04	17.3	19	4.79
8.8	6	2.96	8.7	2	1.01	NEWPORT NEWS	3.5	6	7.39	3.5	2	2.47
615.7	954	6.74	691.9	395	2.48	NEW YORK	65.9	165	10.90	76.1	79	4.52
23.1	27	5.09	23.6	13	2.39	NORFOLK	8.5	24	12.29	9.1	18	8.62
4.3	9	9.04	4.3	4	4.09	ODESSA	0.2	0	0.00	0.2	1	18.50
6.5	8	5.34	6.7	7	4.51	OGDEN	0.2	0	0.00	0.1	0	0.00
27.8	28	4.38	31.2	15	2.09	OKLAHOMA CITY	2.8	7	11.06	2.9	1	1.48
27.1	36	5.78	29.8	13	1.90	OMAHA	1.7	3	7.86	1.7	4	10.07
17.1	26	6.60	18.5	7	1.64	ORLANDO	3.0	10	14.49	3.0	3	4.36
71.5	58	3.53	79.7	35	1.91	PATERSON	2.2	7	13.72	2.5	0	0.00
9.0	16	7.70	9.4	7	3.26	PENSACOLA	2.1	5	10.44	2.3	4	7.54
17.7	16	3.93	19.6	12	2.66	PEORIA	0.6	3	22.66	0.6	0	0.00
232.3	317	5.94	263.4	130	2.15	PHILADELPHIA	37.9	71	8.15	41.4	42	4.41
38.1	84	9.60	38.6	29	3.27	PHOENIX	2.2	17	33.47	2.0	5	10.82
145.8	168	5.01	156.5	52	1.45	PITTSBURGH	10.3	17	7.21	10.2	7	3.00
9.4	8	3.72	10.9	5	1.99	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
12.0	17	6.17	14.3	8	2.44	PORTLAND MAINE	0.1	0	0.00	0.0	0	0.00
55.0	77	6.09	60.5	31	2.23	PORTLAND OREG.	1.5	2	5.79	1.3	1	3.29
46.0	42	3.97	54.0	17	1.37	PROVIDENCE	0.9	1	4.88	0.9	0	0.00
6.0	10	7.20	6.2	5	3.48	PROVO	0.0	0	0.00	0.0	0	0.00
7.6	4	2.28	8.0	3	1.62	PUEBLO	0.2	0	0.00	0.2	0	0.00
8.9	13	6.38	9.5	5	2.29	RACINE	0.3	0	0.00	0.3	0	0.00
6.9	9	5.65	7.7	3	1.69	RALEIGH	2.4	12	21.41	2.7	2	3.21
18.3	28	6.64	20.4	11	2.35	READING	0.3	0	0.00	0.3	0	0.00
5.2	11	9.23	5.0	2	1.74	RENO	0.2	2	43.21	0.2	0	0.00
17.5	28	6.96	21.6	12	2.41	RICHMOND	6.1	20	14.30	6.8	4	2.55
8.5	12	6.12	9.8	5	2.21	ROANOKE	1.2	2	7.09	1.4	0	0.00
37.2	39	4.56	42.8	22	2.23	ROCHESTER	1.3	0	0.00	1.3	0	0.00
12.6	11	3.79	13.7	3	0.96	ROCKFORD	0.4	3	29.01	0.5	0	0.00
28.3	63	9.70	28.5	17	2.60	SACRAMENTO	2.3	5	9.56	1.9	3	6.96
10.8	19	7.66	11.6	11	4.13	SAGINAW	1.0	1	4.33	1.0	0	0.00
6.4	4	2.70	7.7	2	1.13	ST. JOSEPH	0.2	0	0.00	0.2	0	0.00
111.3	156	6.10	129.4	54	1.82	ST. LOUIS	17.6	54	13.36	19.5	12	2.68
22.4	46	8.95	24.2	15	2.70	SALT LAKE CITY	0.4	4	47.83	0.3	1	15.06
3.9	3	3.37	4.2	2	2.06	SAN ANGELO	0.2	0	0.00	0.2	0	0.00
36.8	39	4.61	40.7	16	1.71	SAN ANTONIO	2.7	2	3.27	3.0	0	0.00
51.0	100	8.54	53.2	46	3.76	SAN BERNARDINO	2.2	10	19.45	2.0	1	2.15
57.9	93	6.98	60.6	38	2.73	SAN DIEGO	2.9	7	10.38	2.6	4	6.58
155.7	209	5.84	173.7	99	2.48	SAN FRANCISCO	19.4	39	8.75	17.7	14	3.44
35.9	50	7.16	39.4	20	2.21	SAN JOSE	1.2	1	3.55	1.0	0	0.00
10.1	23	9.90	11.4	13	4.98	SANTA BARBARA	0.4	2	21.90	0.3	0	0.00
6.8	12	7.65	7.9	5	2.74	SAVANNAH	3.6	4	4.90	4.2	6	6.23
15.6	29	8.10	18.4	5	1.18	SCRANTON	0.1	0	0.00	0.1	0	0.00
68.8	120	7.59	74.0	50	2.94	SEATTLE	3.3	8	10.39	2.7	0	0.00
10.6	14	5.73	11.9	4	1.46	SHREVEPORT	5.9	17	12.54	6.7	6	3.91
7.4	11	6.48	8.0	4	2.17	SIOUX CITY	0.1	0	0.00	0.1	0	0.00
5.5	8	6.35	6.0	1	0.73	SIOUX FALLS	0.0	0	0.00	0.0	0	0.00
14.1	17	5.24	15.1	5	1.44	SOUTH BEND	0.8	1	5.33	0.8	0	0.00
18.7	18	4.18	19.7	10	2.20	SPOKANE	0.3	1	12.51	0.3	0	0.00
9.4	6	2.78	11.0	3	1.18	SPRINGFIELD I.	0.4	1	10.79	0.4	0	0.00
8.3	14	7.37	9.6	8	3.62	SPRINGFIELD MO	0.2	1	24.18	0.2	0	0.00
7.7	13	7.33	8.8	1	0.50	SPRINGFIELD O.	0.8	0	0.00	0.9	1	4.95
33.3	44	5.75	38.8	14	1.57	SPRINGFIELD MA	0.8	1	5.29	0.9	2	9.97
10.5	14	5.82	10.5	5	2.08	STEUBENVILLE	0.5	3	28.32	0.4	1	9.71
15.6	41	11.46	15.0	10	2.90	STOCKTON	2.0	2	4.45	1.2	1	3.68
35.6	50	6.11	39.2	17	1.89	SYRACUSE	0.8	0	0.00	0.8	2	11.43
20.2	31	6.68	20.7	10	2.10	TACOMA	0.8	2	10.33	0.7	0	0.00
57.2	71	5.40	61.4	26	1.84	TAMPA	5.1	11	9.45	5.3	4	3.26
7.2	8	4.85	8.2	10	5.31	TERRE HAUTE	0.3	1	12.56	0.4	0	0.00
4.7	0	0.00	5.1	1	0.86	TEXARKANA	1.5	3	8.47	1.7	1	2.63
27.3	34	5.43	30.4	15	2.15	TOLEDO	2.5	6	10.57	2.6	2	3.37
8.3	8	4.21	9.6	3	1.36	TOPEKA	0.7	0	0.00	0.7	0	0.00
14.9	30	8.75	16.5	7	1.84	TRENTON	1.8	3	7.15	1.8	2	4.73
15.0	34	9.87	15.8	10	2.76	TUCSON	1.0	6	26.14	0.9	1	4.63
23.2	13	2.44	25.8	17	2.86	TULSA	2.4	6	10.93	2.6	3	5.00
4.7	5	4.62	5.0	1	0.86	TUSCALOOSA	1.8	2	4.78	2.0	0	0.00
4.0	5	5.44	4.4	2	1.96	TYLER	1.5	4	11.98	1.6	0	0.00
22.2	38	7.44	24.5	9	1.60	UTICA	0.3	2	30.30	0.3	0	0.00
8.1	11	5.91	9.0	5	2.43	WACO	1.6	4	11.16	1.7	1	2.56
82.9	87	4.57	97.5	45	2.01	WASHINGTON	26.6	70	11.45	29.0	14	2.10
7.4	7	4.13	8.2	6	3.20	WATERLOO	0.3	0	0.00	0.3	0	0.00
13.5	16	5.14	14.6	16	4.78	W. PALM BEACH	3.0	10	14.44	2.7	2	3.26
13.1	13	4.30	14.3	4	1.22	WHEELING	0.3	2	25.49	0.3	0	0.00
18.4	16	3.78	20.5	5	1.06	WICHITA	1.2	3	10.91	1.2	2	7.03
7.2	13	7.84	7.6	3	1.71	WICHITA FALLS	0.5	2	16.72	0.5	0	0.00
22.8	35	6.68	26.5	18	2.95	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
19.4	27	6.07	21.3	9	1.84	WILMINGTON	2.7	6	9.67	2.7	3	4.87
7.9	9	4.99	8.9	4	1.95	WINSTON-SALEM	2.5	5	8.71	2.9	5	7.39
39.1	40	4.45	45.0	17	1.65	WORCESTER	0.2	1	18.23	0.2	0	0.00
15.2	22	6.31	16.7	8	2.09	YORK	0.3	0	0.00	0.3	0	0.00
30.0	41	5.95	31.1	24	3.36	YOUNGSTOWN	2.8	5	7.84	2.7	2	3.23
6292.2	8798	6.08	7002.4	3619	2.25	TOTAL 201 SMSA	733.7	1726	10.24	782.8	683	3.80

ALL AGE STANDARD RATE = 4.35

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
OTHER MOTOR VEHICLE ACCIDENTS (I.S.C. E810,E811,E813-E825,E831,E835)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
22.8	55	37.72	23.0	20	11.10	ABILENE	1.2	4	43.70	1.1	1	11.61
84.9	145	21.79	99.7	49	6.89	AKRON	7.1	13	23.29	7.7	4	6.67
9.7	26	34.12	9.2	6	8.33	ALBANY GA	4.1	7	21.62	5.2	4	9.75
116.6	164	17.95	129.6	51	5.03	ALBANY NY	2.9	5	21.80	3.4	2	7.81
46.1	130	35.97	47.4	35	9.42	ALBUQUERQUE	1.6	7	55.07	1.7	3	22.78
91.7	114	15.65	98.0	47	6.12	ALLENTOWN	0.8	3	50.34	0.8	1	16.01
24.5	43	22.38	27.7	11	5.06	ALTOONA	0.2	0	0.00	0.2	0	0.00
29.3	63	27.30	24.7	25	11.93	AMARILLO	1.8	7	50.23	1.4	0	0.00
33.6	67	23.54	33.8	27	10.19	ANN ARBOR	2.7	8	37.42	2.4	1	5.23
21.3	37	22.21	23.9	15	8.02	ASHEVILLE	2.4	7	36.73	2.8	2	9.13
144.6	276	24.34	158.3	131	10.56	ATLANTA	39.4	64	20.72	46.8	18	4.00
24.1	26	13.74	27.1	12	5.65	ATLANTIC CITY	5.0	3	7.60	5.8	1	2.21
32.7	77	30.05	29.2	23	10.42	AUGUSTA	10.9	35	40.94	12.4	9	9.26
38.5	54	17.88	37.8	15	5.06	AUSTIN	4.8	11	29.22	5.5	1	2.30
50.8	102	44.27	50.4	81	20.50	BAKERSFIELD	3.8	12	40.15	3.4	5	18.72
253.9	249	12.51	265.4	93	4.47	BALTIMORE	67.7	67	12.63	72.2	24	4.24
29.1	50	21.91	30.8	25	10.34	BATON ROUGE	12.7	23	23.10	14.7	1	0.87
19.0	28	18.77	20.2	14	8.84	BAY CITY	0.1	1	106.08	0.1	0	0.00
44.9	70	22.47	44.5	43	13.46	BEAUMONT	10.8	21	24.80	11.9	7	7.51
13.8	42	38.79	14.9	15	12.81	BILLINGS	0.2	0	0.00	0.2	0	0.00
38.2	34	12.03	41.9	18	5.49	BINGHAMTON	0.3	0	0.00	0.3	0	0.00
75.2	153	25.97	85.0	72	10.81	BIRMINGHAM	36.3	51	17.94	42.6	8	2.39
560.4	460	10.47	617.4	180	3.72	BOSTON	17.0	9	6.75	17.6	3	2.18
112.3	107	12.15	121.9	35	3.44	BRIDGEPORT	6.0	13	27.46	7.0	4	7.32
43.7	67	19.57	47.3	15	4.04	BROCKTON	1.0	2	25.72	0.9	1	14.39
26.0	62	30.44	27.5	17	7.88	BROWNSVILLE	0.3	1	48.87	0.7	0	0.00
222.7	307	17.59	238.9	116	6.19	BUFFALO	15.5	17	13.35	16.6	5	3.84
58.6	109	23.72	63.0	34	6.89	CANTON	3.2	6	23.99	3.4	1	3.74
24.8	45	23.18	27.2	17	7.96	CEDAR RAPIDS	0.2	0	0.00	0.3	0	0.00
30.6	45	18.75	24.4	19	9.94	CHAMPAIGN	1.7	3	21.87	1.5	0	0.00
28.8	78	34.94	25.8	24	11.87	CHARLESTON SC	12.6	27	27.36	14.6	4	3.49
42.8	86	25.65	47.1	33	9.93	CHARLESTON WVA	2.6	3	14.72	3.0	1	4.28
36.7	94	33.34	41.6	24	7.40	CHARLOTTE	11.2	22	25.06	13.0	6	5.89
42.5	91	27.35	47.5	50	13.43	CHATTANOOGA	8.1	18	28.33	9.8	8	10.37
996.3	1116	14.29	1047.0	414	5.06	CHICAGO	158.1	162	13.07	177.1	58	4.18
169.0	220	17.29	190.6	93	6.22	CINCINNATI	21.9	29	16.87	25.5	6	3.01
280.1	287	13.53	304.6	109	4.57	CLEVELAND	44.7	58	16.54	50.2	25	6.36
27.9	45	20.57	25.9	23	11.33	COLORADO SPRGS	1.3	0	0.00	1.1	0	0.00
43.1	73	21.62	34.0	33	12.06	COLUMBIA	16.0	20	14.27	14.3	4	3.56
33.9	51	19.19	29.5	16	7.16	COLUMBUS GA	11.4	27	30.21	12.3	8	8.33
113.4	121	13.61	121.4	62	6.52	COLUMBUS OHIO	14.8	19	16.36	15.5	6	4.92
37.2	86	29.44	39.0	99	12.76	CORPUS CHRISTI	1.8	5	96.13	2.0	2	12.73
166.5	326	24.69	194.4	143	9.78	DALLAS	27.2	42	19.65	30.5	20	8.38
46.4	109	27.12	51.7	37	9.14	DAVENPORT	1.1	3	33.64	1.2	1	10.92
113.1	181	20.61	121.4	88	9.25	DAYTON	12.4	11	11.35	13.4	11	10.33
20.1	43	27.28	22.4	20	11.30	DECATUR	1.0	1	12.62	1.1	0	0.00
163.8	300	24.07	174.6	112	8.18	DENVER	7.1	14	25.17	7.3	4	6.95
45.8	95	25.09	52.5	41	9.96	DES MOINES	1.9	1	6.89	2.1	2	12.01
579.4	856	18.85	608.8	337	7.06	DETROIT	95.4	81	12.16	106.4	45	5.40
14.7	28	24.37	15.7	9	7.31	DUBUQUE	0.0	0	0.00	0.0	0	0.00
51.3	91	26.64	52.1	46	11.27	DULUTH	0.4	0	0.00	0.4	0	0.00
15.2	22	18.50	16.1	10	7.93	DURHAM	6.2	9	18.40	7.6	1	1.69
57.3	97	21.59	56.0	27	4.15	EL PASO	2.5	4	20.17	1.7	4	30.10
44.0	68	19.73	47.5	31	8.33	ERIE	1.2	1	11.05	1.2	0	0.00
30.7	77	32.00	31.3	38	15.47	EUGENE	0.3	0	0.00	0.2	0	0.00
33.0	68	24.36	37.4	25	8.56	EVANSVILLE	2.2	1	5.76	2.6	3	14.78
71.2	76	13.61	80.7	19	3.00	FALL RIVER	1.0	1	13.29	1.0	2	25.67
20.2	57	36.05	20.8	12	7.36	FARGO	0.1	0	0.00	0.1	1	193.21
61.1	160	33.60	63.5	49	9.84	FLINT	6.3	13	26.42	6.5	6	11.79
51.4	102	25.30	55.9	46	10.49	FT. LAUDERDALE	9.4	33	44.58	10.1	5	6.34
11.3	21	23.78	12.7	7	7.01	FORT SMITH	0.7	1	17.40	0.9	0	0.00
39.5	83	26.83	42.8	31	9.24	FORT WAYNE	2.0	4	25.32	2.2	0	0.00
96.1	207	28.07	100.7	81	10.26	FORT WORTH	10.4	15	18.35	11.7	6	6.24
62.7	231	47.01	66.6	79	15.50	FRESNO	5.1	24	59.54	4.7	5	13.56
14.9	41	35.01	16.3	15	11.76	GADSDEN	2.5	6	30.85	2.8	1	4.50
20.1	48	30.40	21.0	12	7.28	GALVESTON	5.1	7	17.54	5.7	2	4.46
90.8	205	28.80	90.3	58	8.20	GARY	14.5	17	14.97	15.9	6	4.81
81.8	119	23.32	69.0	54	10.13	GRAND RAPIDS	2.5	6	20.08	2.8	1	4.55
13.8	46	42.50	13.2	20	19.26	GREAT FALLS	0.3	4	155.46	0.3	0	0.00
22.1	56	31.18	23.1	16	8.85	GREEN BAY	0.3	5	188.91	0.2	0	0.00
35.2	79	28.61	40.7	28	8.78	GREENSBORO	9.5	23	30.99	10.3	4	4.95
32.3	55	21.60	35.0	21	7.66	GREENVILLE	6.3	18	36.28	7.1	5	8.93
35.2	71	25.77	37.5	22	7.48	HAMILTON	1.8	5	36.14	2.0	0	0.00
59.2	91	19.60	64.8	40	7.87	HARRISBURG	4.3	8	23.80	4.4	4	11.51
120.5	113	11.96	129.2	38	3.75	HARTFORD	5.9	7	15.01	6.0	7	14.76
45.2	56	15.81	29.7	10	4.29	HONOLULU	81.8	56	11.57	57.9	18	3.96
179.0	352	25.00	192.2	154	10.22	HOUSTON	42.7	67	20.01	47.9	25	6.66
46.0	86	23.30	49.8	29	7.44	HUNTINGTON	1.4	2	18.30	1.5	0	0.00
18.4	53	36.87	19.0	19	13.48	HUNTSVILLE	3.9	8	26.11	4.5	5	14.11
107.3	197	23.42	119.2	108	11.56	INDIANAPOLIS	17.1	27	20.10	19.7	12	7.77
23.5	58	32.01	23.3	19	10.30	JACKSON MICH	2.1	5	30.25	0.9	0	0.00
20.1	45	28.50	23.5	25	13.50	JACKSON MISS	12.4	17	17.53	14.6	6	5.26
66.2	156	30.04	67.3	73	13.84	JACKSONVILLE	18.0	35	24.86	20.6	14	8.67
109.2	64	7.71	117.2	20	2.18	JERSEY CITY	7.3	6	10.53	8.4	2	3.02
51.0	80	20.00	54.0	25	5.91	JOHNSTOWN	0.6	1	19.78	0.7	2	36.12
30.5	69	28.85	33.0	30	11.59	KALAMAZOO	1.1	4	48.24	1.1	2	22.44
164.9	322	24.91	186.1	118	8.18	KANSAS CITY	20.1	36	22.88	22.9	8	4.46
19.0	55	37.02	18.6	16	11.00	KENOSHA	0.2	0	0.00	0.2	0	0.00
62.8	120	24.36	69.1	45	8.31	KNOXVILLE	4.7	10	27.14	5.6	1	2.26
21.7	36	20.02	21.6	13	7.60	LAKE CHARLES	5.3	19	45.75	5.5	2	4.60
50.6	63	15.89	55.3	28	6.00	LANCASTER	0.7	4	75.43	0.7	0	0.00
59.6	106	23.84	57.5	38	8.43	LANSING	1.6	2	15.53	1.5	1	8.26
11.1	16	18.42	12.4	4	4.12	LAREDO	0.1	0	0.00	0.0	0	0.00
22.8	83	46.53	21.1	36	21.76	LAS VEGAS	2.2	11	62.43	2.2	6	35.98
21.1	34	20.57	13.7	10	9.33	LAWTON	2.4	5	26.50	1.8	2	14.18
21.8	35	20.47	23.1	12	6.83	LEXINGTON	3.7	15	51.48	3.9	3	9.70
17.3	52	38.26	18.7	14	9.94	LIMA	1.3	4	38.71	1.3	1	10.09
30.6	50	20.87	31.4	21	8.53	LINCOLN	0.9	0	0.00	0.5	0	0.00
35.8	95	33.84	38.6	25	8.27	LITTLE ROCK	8.8	22	32.00	10.1	8	10.07
37.1	53	18.24	38.3	26	8.67	LORAIN	2.2	3	17.78	2.2	1	5.75
1140.3	1878	21.01	1221.8	783	8.18	LOS ANGELES	108.5	190	17.64	114.1	51	5.70

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
OTHER MOTOR VEHICLE ACCIDENTS (I.S.C. E810,E811,E813-E825,E831,E835)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
113.7	180	20.19	126.7	73	7.35	LOUISVILLE	14.0	31	28.33	16.1	5	3.95
28.2	96	43.36	28.3	29	13.06	LUBBOCK	2.1	12	72.03	2.2	10	58.03
15.4	45	36.08	18.7	16	10.90	LYNCHBURG	4.2	14	42.78	4.5	2	5.61
22.5	52	29.44	25.0	21	10.72	MACON	9.1	20	28.03	11.0	7	8.10
42.9	81	24.10	44.6	31	8.87	MADISON	0.7	0	0.00	0.5	0	0.00
31.7	51	20.51	35.5	13	4.68	MANCHESTER	0.1	0	0.00	0.1	0	0.00
75.6	138	23.28	80.5	61	9.67	MEMPHIS	37.1	50	17.20	43.4	17	5.00
150.2	244	20.73	161.1	87	6.89	MIAMI	24.8	38	19.52	26.2	15	7.30
10.6	32	38.57	11.4	10	11.21	MIDLAND	1.1	4	47.20	1.2	0	0.00
208.4	279	17.08	222.7	104	5.96	MILWAUKEE	11.2	11	12.52	12.0	2	2.13
260.1	424	20.80	289.9	141	6.20	MINNEAPOLIS	4.9	10	26.04	5.0	6	15.43
38.5	71	23.50	41.2	41	12.69	MOBILE	16.6	35	26.97	19.1	6	4.00
12.8	30	30.00	13.8	7	6.49	MONROE	5.1	6	14.90	6.2	0	0.00
19.6	34	22.18	20.6	14	8.67	MONTGOMERY	10.8	17	20.08	13.0	8	7.85
19.7	46	29.75	21.4	23	13.70	MUNCIE	1.0	8	102.39	1.1	2	22.89
24.4	59	30.86	25.8	19	9.40	MUSKEGON	2.1	5	30.45	2.2	2	11.44
59.8	146	31.13	66.7	57	10.91	NASHVILLE	13.7	19	17.67	16.0	10	7.97
268.3	217	10.32	296.1	75	3.23	NEWARK	39.5	27	8.72	46.3	9	2.48
117.0	98	10.69	123.5	36	3.72	NEW HAVEN	6.1	10	20.89	6.8	1	1.88
108.5	153	17.99	120.5	59	6.25	NEW ORLEANS	44.4	72	20.68	51.9	29	7.13
33.9	44	16.54	29.7	10	4.30	NEWPORT NEWS	11.7	24	26.19	12.0	2	2.13
1762.0	1124	8.14	1940.6	422	2.77	NEW YORK	222.9	176	10.07	273.4	50	2.33
96.9	80	10.53	76.6	27	4.50	NORFOLK	26.9	33	15.63	28.3	4	1.80
15.5	46	37.83	15.8	26	21.00	ODESSA	0.9	2	29.15	0.9	5	72.13
19.2	35	23.29	19.9	24	15.40	OGDEN	0.6	4	92.37	0.5	0	0.00
87.4	208	30.36	93.3	87	11.90	OKLAHOMA CITY	7.9	23	36.96	9.1	13	18.18
78.8	122	19.74	84.4	45	6.80	OMAHA	4.9	10	26.16	5.1	3	7.57
49.6	107	27.53	52.0	40	9.82	ORLANDO	9.9	32	41.30	9.6	6	8.00
205.6	165	10.24	225.0	48	2.72	PATERSON	7.8	11	18.02	9.4	3	4.07
32.6	66	25.81	31.2	30	12.27	PENSACOLA	6.5	9	17.70	7.3	4	7.00
51.5	97	24.04	54.6	51	11.92	PEORIA	1.7	5	37.60	1.9	0	0.00
690.7	644	11.90	729.1	265	4.64	PHILADELPHIA	119.5	122	13.02	134.6	26	2.46
116.9	270	29.46	119.0	117	12.65	PHOENIX	6.5	22	43.14	6.5	10	19.68
410.9	485	15.06	445.1	141	4.04	PITTSBURGH	29.1	45	13.71	31.7	9	3.62
25.7	41	20.39	27.6	14	47	PITTSFIELD	0.3	0	0.00	0.3	0	0.00
33.6	42	15.86	36.8	13	.50	PORTLAND MAINE	0.2	1	62.93	0.1	0	0.00
144.9	290	25.53	158.0	137	- .06	PORTLAND OREG.	4.4	11	31.79	4.4	6	17.52
126.8	92	9.11	142.9	29	2.59	PROVIDENCE	2.6	3	14.63	2.8	2	9.00
20.2	31	19.60	21.0	16	9.73	PROVO	0.1	0	0.00	0.1	0	0.00
20.9	39	23.78	21.9	16	9.33	PUEBLO	0.5	5	128.97	0.5	1	26.30
24.5	60	31.24	25.9	16	7.89	RACINE	0.9	1	- - -	1.0	2	26.56
25.2	50	29.86	25.5	15	7.50	RALEIGH	7.8	24	39.00	8.7	4	5.89
50.5	76	18.69	55.4	27	6.22	READING	0.8	1	15.47	0.9	0	0.00
15.8	61	49.12	15.7	15	12.19	RENO	0.7	2	36.85	0.6	0	0.00
54.5	87	20.37	62.6	36	7.33	RICHMOND	18.8	23	15.61	21.8	14	8.19
25.2	43	21.78	28.5	15	6.70	ROANOKE	3.5	3	11.08	3.9	1	3.26
101.4	103	12.96	112.7	52	5.89	ROCHESTER	4.3	4	11.80	4.6	6	16.47
36.0	68	24.06	39.1	17	5.55	ROCKFORD	1.4	6	54.25	1.6	1	8.02
86.8	202	29.59	87.0	97	14.22	SACRAMENTO	7.3	32	55.75	6.5	6	11.86
30.7	77	31.99	32.7	40	15.62	SAGINAW	3.1	5	20.61	3.2	1	3.99
16.0	43	34.35	19.2	21	14.68	ST. JOSEPH	0.5	1	28.18	0.5	0	0.00
316.0	488	19.70	352.6	177	6.40	ST. LOUIS	48.5	66	17.35	58.1	24	5.27
67.5	147	27.79	72.1	60	10.62	SALT LAKE CITY	1.1	3	36.42	0.9	0	0.00
11.9	38	40.90	12.0	11	11.70	SAN ANGELO	0.6	0	0.00	0.6	0	0.00
122.8	222	23.06	120.8	83	8.79	SAN ANTONIO	9.2	14	22.23	9.1	6	8.41
147.4	509	44.05	144.5	191	16.56	SAN BERNARDINO	7.7	38	62.95	6.5	13	25.37
215.9	406	23.88	178.2	153	10.95	SAN DIEGO	12.9	20	19.74	9.5	10	13.37
467.5	817	22.20	493.3	344	9.08	SAN FRANCISCO	63.7	112	22.42	62.4	42	8.59
114.1	265	29.63	119.1	107	11.46	SAN JOSE	4.1	12	37.41	3.8	2	6.79
31.9	93	37.18	31.9	35	13.99	SANTA BARBARA	1.5	9	76.56	1.0	2	25.72
23.0	43	23.86	24.5	18	9.38	SAVANNAH	10.8	17	20.01	12.8	9	8.96
42.3	58	17.49	49.0	15	3.90	SCRANTON	0.1	0	0.00	0.2	0	0.00
196.4	299	19.42	204.6	142	8.86	SEATTLE	10.0	16	20.32	9.2	4	5.55
33.7	88	33.34	36.8	41	14.20	SHREVEPORT	15.7	32	25.97	18.5	8	5.52
19.1	45	30.13	20.9	16	9.75	SIOUX CITY	0.3	1	39.69	0.4	1	33.68
15.2	39	32.78	16.8	16	12.17	SIOUX FALLS	0.2	0	0.00	0.1	0	0.00
42.9	81	24.09	43.1	32	9.48	SOUTH BEND	2.3	6	32.84	2.6	0	0.00
50.9	98	24.54	53.2	42	10.07	SPOKANE	1.1	1	11.59	1.0	1	12.82
24.8	46	23.68	29.0	21	9.25	SPRINGFIELD I.	1.0	5	63.80	1.2	0	0.00
23.3	54	29.57	26.2	26	12.66	SPRINGFIELD MO	0.5	1	23.80	0.4	1	28.45
21.4	38	22.66	23.7	11	5.92	SPRINGFIELD O.	2.1	4	24.67	2.4	3	16.01
95.2	100	13.40	104.6	29	3.54	SPRINGFIELD MA	2.9	4	17.55	2.9	3	13.05
29.8	53	22.67	31.1	16	6.56	STEUBENVILLE	1.4	3	28.30	1.4	0	0.00
44.5	139	39.83	42.4	49	14.73	STOCKTON	5.3	17	41.26	3.6	2	7.00
101.6	180	22.61	107.8	59	6.98	SYRACUSE	2.7	12	57.67	2.7	1	4.65
63.6	101	20.25	57.3	20	4.45	TACOMA	3.6	6	21.05	2.5	0	0.00
128.4	216	21.46	140.7	96	8.70	TAMPA	15.9	28	22.52	17.0	5	3.75
19.4	35	23.07	21.4	19	11.31	TERRE HAUTE	1.0	6	77.86	0.9	1	13.96
12.8	28	27.91	13.7	19	17.74	TEXARKANA	3.7	14	48.36	4.3	1	2.99
74.8	112	19.09	81.2	60	9.43	TOLEDO	7.3	10	17.58	8.2	4	6.24
24.7	50	25.85	26.3	16	7.75	TOPEKA	1.9	3	20.25	2.0	1	6.39
45.7	44	12.29	46.6	17	4.65	TRENTON	6.3	16	32.34	6.5	2	3.90
46.9	104	28.29	48.3	40	10.56	TUCSON	3.2	15	60.45	2.9	2	8.65
68.7	152	28.22	76.2	72	12.06	TULSA	6.4	10	20.06	7.5	9	15.34
16.2	51	40.12	16.0	10	7.96	TUSCALOOSA	5.2	18	44.56	6.1	1	2.09
11.6	31	34.14	12.7	14	14.08	TYLER	4.1	8	24.70	4.6	4	11.17
60.2	86	17.80	63.5	35	7.03	UTICA	0.9	2	26.89	0.9	0	0.00
24.4	41	21.44	25.3	21	10.59	WACO	4.1	8	24.78	4.7	9	24.44
281.7	281	12.73	298.8	89	3.80	WASHINGTON	89.2	90	12.88	97.6	31	4.05
21.0	35	21.25	23.1	13	7.19	WATERLOO	0.8	1	15.22	0.9	0	0.00
32.8	72	28.01	35.6	33	11.86	W. PALM BEACH	10.5	41	49.87	9.1	8	11.25
34.7	46	16.17	37.2	20	6.86	WHEELING	0.9	0	0.00	0.9	0	0.00
57.7	102	22.54	62.2	49	10.05	WICHITA	3.7	10	34.47	4.0	4	12.63
25.2	46	23.29	22.9	20	11.16	WICHITA FALLS	1.8	7	49.41	1.7	1	7.50
63.6	75	15.04	72.3	27	4.76	WILKES-BARRE	0.2	0	0.00	0.2	0	0.00
58.6	84	18.30	62.3	29	5.94	WILMINGTON	8.1	22	34.57	8.4	4	6.09
26.7	59	28.19	29.5	16	6.91	WINSTON-SALEM	7.8	17	27.95	9.3	5	6.87
106.9	133	15.89	115.5	46	5.08	WORCESTER	0.7	1	17.36	0.8	0	0.00
42.8	85	25.34	46.0	19	5.27	YORK	0.9	2	28.45	1.0	0	0.00
84.0	163	24.76	89.1	77	11.02	YOUNGSTOWN	8.3	14	21.44	8.7	6	8.81
18700.8	28043	19.13	19899.2	10895	6.98	TOTAL 201 SMSA	2307.5	3445	19.05	2548.5	1090	5.46

ALL AGE STANDARD RATE = 12.76

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000
ACCIDENTAL FALLS (I.S.C. E900-E904)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
15.4	12	8.37	19.6	13	7.18	ABILENE	0.6	0	0.00	0.7	1	14.97
63.4	48	8.13	79.7	45	6.06	AKRON	3.7	3	8.67	4.1	2	5.27
3.9	4	10.95	4.9	2	4.41	ALBANY GA	2.8	1	3.80	3.9	2	5.49
108.3	90	8.93	149.7	99	7.10	ALBANY NY	1.8	1	6.08	2.0	2	10.86
23.3	23	10.62	27.3	19	7.46	ALBUQUERQUE	0.7	1	16.30	0.7	0	0.00
78.8	89	12.13	102.2	89	9.35	ALLENTOWN	0.4	0	0.00	0.5	2	40.86
25.4	26	11.00	33.0	25	8.14	ALTOONA	0.2	0	0.00	0.2	0	0.00
14.5	14	10.35	18.4	22	12.86	AMARILLO	0.7	0	0.00	0.7	1	15.26
19.0	20	11.32	27.3	28	11.02	ANN ARBOR	1.2	1	9.01	1.3	0	0.00
18.7	15	8.61	24.6	17	7.43	ASHEVILLE	2.1	0	0.00	2.7	1	3.94
85.7	74	9.28	127.7	98	8.24	ATLANTA	22.5	34	16.20	31.5	25	8.52
27.7	28	10.86	36.7	32	9.37	ATLANTIC CITY	4.7	5	11.46	5.5	4	7.81
14.5	11	8.15	20.5	17	8.93	AUGUSTA	7.2	5	7.45	9.5	5	5.63
23.6	15	6.84	32.0	11	3.69	AUSTIN	4.0	2	5.41	5.2	1	2.05
33.3	27	8.70	35.1	21	6.43	BAKERSFIELD	2.7	2	8.03	1.9	1	5.77
175.2	209	12.81	248.3	203	8.78	BALTIMORE	36.5	79	23.22	42.4	40	10.13
13.8	11	8.55	18.9	16	9.10	BATON ROUGE	8.4	5	6.37	10.1	3	3.20
14.7	16	10.25	17.9	17	10.17	BAY CITY	0.1	0	0.00	0.1	0	0.00
26.3	13	5.30	32.8	16	5.24	BEAUMONT	6.8	4	6.36	6.9	1	1.55
10.6	7	7.10	11.5	10	9.31	BILLINGS	0.1	0	0.00	0.1	0	0.00
32.9	46	15.02	44.6	38	9.15	BINGHAMTON	0.3	0	0.00	0.2	0	0.00
53.1	38	7.68	72.5	43	6.37	BIRMINGHAM	25.9	13	5.39	33.5	12	3.85
492.6	875	19.08	736.7	1191	17.37	BOSTON	10.9	28	27.67	12.8	10	8.40
94.6	111	12.60	126.0	111	9.46	BRIDGEPORT	3.0	2	7.13	3.4	0	0.00
43.3	51	12.64	60.0	90	16.11	BROCKTON	1.0	2	20.81	0.7	0	0.00
15.8	10	6.79	18.1	6	3.55	BROWNSVILLE	0.2	0	0.00	0.1	0	0.00
178.8	232	13.94	230.1	271	12.65	BUFFALO	7.4	15	21.77	7.5	8	11.47
51.8	60	12.44	64.2	41	6.86	CANTON	1.9	1	5.72	1.9	0	0.00
21.7	20	9.88	29.7	17	6.14	CEDAR RAPIDS	0.2	0	0.00	0.2	0	0.00
14.7	6	4.38	19.5	17	9.36	CHAMPAIGN	0.7	3	46.23	0.6	2	33.48
12.0	14	12.49	17.1	12	7.55	CHARLESTON SC	5.8	8	14.89	8.8	4	4.89
29.6	34	12.36	34.9	28	8.64	CHARLESTON WVA	2.3	1	4.66	2.4	2	8.91
20.7	18	9.34	31.2	26	8.96	CHARLOTTE	5.8	3	5.56	7.6	6	8.51
30.4	25	8.83	39.8	37	9.99	CHATTANOOGA	5.9	4	7.25	7.7	1	1.40
758.5	753	10.66	976.1	506	5.57	CHICAGO	86.4	148	18.39	101.5	46	4.87
141.6	206	15.63	209.4	239	12.26	CINCINNATI	16.1	23	15.31	17.5	17	10.41
222.8	407	19.63	287.9	484	18.06	CLEVELAND	24.5	44	18.97	29.1	31	11.43
18.0	18	10.74	25.9	29	12.03	COLORADO SPRGS	0.5	0	0.00	0.6	0	0.00
18.8	23	13.17	27.1	15	5.94	COLUMBIA	7.0	6	9.22	9.0	3	3.57
12.8	8	6.72	18.1	27	16.00	COLUMBUS GA	5.6	6	11.53	8.2	7	9.22
78.5	71	9.71	112.0	107	10.26	COLUMBUS OHIO	9.8	6	6.56	10.7	7	7.03
19.6	17	9.31	23.1	14	6.52	CORPUS CHRISTI	0.9	0	0.00	1.2	0	0.00
111.2	75	7.24	157.7	112	7.63	DALLAS	17.6	4	2.44	19.1	5	2.82
42.8	45	11.29	55.5	47	9.09	DAVENPORT	0.7	1	14.70	0.7	0	0.00
81.6	100	13.17	105.9	100	10.14	DAYTON	7.3	9	13.18	7.8	4	5.52
18.9	15	8.54	25.5	18	7.60	DECATUR	0.7	0	0.00	0.7	0	0.00
122.6	163	14.28	167.9	171	10.94	DENVER	4.3	5	12.47	5.0	3	6.42
38.5	46	12.85	55.2	55	10.70	DES MOINES	1.6	0	0.00	1.9	2	11.43
398.8	501	13.45	475.4	395	8.93	DETROIT	50.1	80	17.15	56.4	41	7.81
12.9	14	11.63	10.6	20	10.99	DUBUQUE	0.0	0	0.00	0.0	0	0.00
52.8	61	12.41	53.7	49	9.79	DULUTH	0.3	0	0.00	0.3	1	42.11
8.7	6	7.43	13.2	8	6.53	DURHAM	3.6	2	5.97	4.8	0	0.00
26.3	35	14.29	33.1	29	9.42	EL PASO	0.9	0	0.00	0.7	1	16.06
38.0	46	13.00	47.5	49	11.08	ERIE	0.6	1	18.65	0.6	1	16.95
23.5	11	5.02	26.1	12	4.95	EUGENE	0.1	0	0.00	0.1	0	0.00
29.6	23	8.34	40.9	26	6.83	EVANSVILLE	2.4	1	4.50	2.5	1	4.24
66.4	51	8.25	96.2	71	7.92	FALL RIVER	0.9	3	35.95	0.8	1	14.15
15.4	20	13.92	17.5	12	7.35	FARGO	0.0	0	0.00	0.0	0	0.00
40.5	33	8.74	48.7	42	9.26	FLINT	2.5	2	8.55	2.8	1	3.90
50.7	23	4.88	54.2	30	5.94	FT. LAUDERDALE	3.8	3	8.39	3.9	5	13.61
10.9	8	7.85	14.2	11	8.33	FORT SMITH	0.8	0	0.00	1.0	0	0.00
30.5	29	10.20	41.8	31	7.97	FORT WAYNE	0.9	1	11.73	1.1	1	10.06
63.4	37	6.27	84.8	70	8.86	FORT WORTH	7.3	3	4.44	8.5	5	6.31
48.2	43	9.58	54.7	47	9.24	FRESNO	4.8	8	17.88	2.9	1	3.74
10.8	9	8.96	13.5	10	7.96	GADSDEN	1.6	2	13.63	2.0	2	10.97
12.9	14	11.67	15.6	9	6.21	GALVESTON	3.3	4	13.22	3.5	1	3.06
58.1	67	12.38	61.3	52	9.11	GARY	7.6	10	14.18	8.0	6	8.10
51.9	53	10.98	69.9	71	10.91	GRAND RAPIDS	1.5	4	29.50	1.6	1	6.77
10.3	10	10.45	10.2	8	8.43	GREAT FALLS	0.1	0	0.00	0.1	1	89.86
17.2	15	9.36	21.0	16	8.19	GREEN BAY	0.2	0	0.00	0.2	0	0.00
21.2	17	8.61	29.4	15	5.67	GREENSBORO	4.6	4	9.31	5.6	3	5.74
18.3	14	8.22	25.1	15	6.43	GREENVILLE	3.6	2	6.04	4.6	3	6.97
24.5	30	13.16	31.3	27	9.27	HAMILTON	1.2	1	8.83	1.2	0	0.00
50.0	54	11.60	70.5	57	8.68	HARRISBURG	2.5	2	8.48	3.1	1	3.45
96.5	132	14.69	127.2	108	9.12	HARTFORD	2.6	2	6.14	3.0	3	10.65
13.2	10	8.14	14.7	7	5.10	HONOLULU	35.0	26	7.97	28.3	4	1.52
101.1	90	9.56	130.7	81	6.66	HOUSTON	23.5	20	9.12	27.7	9	3.49
40.0	44	11.81	47.6	51	11.50	HUNTINGTON	1.7	1	6.51	1.5	1	6.96
9.0	7	8.35	10.9	11	10.81	HUNTSVILLE	2.6	0	0.00	3.1	1	3.45
82.9	181	23.46	117.0	226	20.74	INDIANAPOLIS	12.9	18	15.02	14.8	13	9.46
19.5	20	10.99	25.5	28	11.80	JACKSON MICH	0.9	0	0.00	0.6	0	0.00
12.3	9	7.84	18.4	12	7.01	JACKSON MISS	8.7	5	6.19	10.8	3	2.98
37.3	33	9.49	50.7	33	6.99	JACKSONVILLE	11.3	13	12.36	13.8	12	9.33
90.1	110	13.12	114.6	40	3.75	JERSEY CITY	3.4	13	41.19	4.1	3	7.84
48.5	43	9.52	53.3	46	9.27	JOHNSTOWN	0.5	1	23.56	0.4	0	0.00
23.1	19	8.86	30.6	39	13.70	KALAMAZOO	0.7	1	16.08	0.7	0	0.00
137.5	131	10.23	192.9	158	8.80	KANSAS CITY	17.3	25	15.53	19.5	10	5.51
14.8	17	12.30	16.8	14	8.97	KENOSHA	0.1	0	0.00	0.1	0	0.00
43.0	28	6.99	56.4	41	7.81	KNOXVILLE	3.7	5	14.64	4.7	2	4.59
10.5	11	11.27	12.8	10	8.42	LAKE CHARLES	3.2	0	0.00	3.3	0	0.00
45.7	31	7.28	64.8	35	5.80	LANCASTER	0.5	0	0.00	0.5	0	0.00
39.8	33	8.90	51.5	52	10.86	LANSING	0.7	1	15.06	0.7	0	0.00
7.0	9	13.72	9.2	4	4.65	LAREDO	0.0	0	0.00	0.0	0	0.00
11.9	12	10.83	11.3	12	11.44	LAS VEGAS	0.9	1	12.56	0.7	0	0.00
8.0	9	12.01	8.9	3	3.63	LAWTON	0.9	3	37.01	0.9	1	11.82
15.3	13	9.13	21.6	22	10.96	LEXINGTON	3.4	1	3.13	4.0	3	8.11
16.2	16	10.60	20.1	20	10.69	LIMA	0.7	2	29.82	0.7	0	0.00
24.2	20	8.89	34.8	23	7.11	LINCOLN	0.4	0	0.00	0.3	1	36.61
26.7	27	10.85	35.6	24	7.25	LITTLE ROCK	8.4	1	1.27	9.6	3	3.35
26.7	18	7.23	31.5	21	7.16	LORAIN	1.3	0	0.00	1.3	0	0.00
872.7	866	10.66	1272.8	1085	9.16	LOS ANGELES	57.1	61	11.48	62.3	37	6.38

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

ACCIDENTAL FALLS (I.S.C. E900-E904)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
85.5	169	21.23	124.1	174	15.05	LOUISVILLE	12.1	13	11.56	14.5	18	13.31
14.2	9	6.79	17.4	5	3.08	LUBBOCK	1.0	0	0.00	0.9	0	0.00
12.7	9	7.64	18.3	17	10.00	LYNCHBURG	3.3	2	6.50	3.9	1	2.72
12.2	10	8.79	18.0	12	7.16	MACON	5.4	3	5.99	8.6	4	5.14
30.2	18	6.41	40.1	24	6.43	MADISON	0.2	0	0.00	0.2	0	0.00
28.7	25	9.37	41.5	24	6.21	MANCHESTER	0.1	0	0.00	0.0	0	0.00
65.5	67	11.10	89.6	43	5.66	MEMPHIS	30.3	15	5.32	35.2	13	3.07
136.9	103	8.08	151.8	89	6.30	MIAMI	10.0	20	21.55	10.8	6	5.99
4.5	1	2.40	5.4	3	6.01	MIDLAND	0.4	0	0.00	0.5	0	0.00
163.0	205	13.51	210.7	172	8.77	MILWAUKEE	4.8	4	8.91	4.5	3	7.15
208.3	231	11.91	283.8	237	8.97	MINNEAPOLIS	3.2	4	13.46	3.3	3	9.80
22.6	21	9.98	30.5	18	6.35	MOBILE	9.6	11	12.36	12.9	4	3.34
9.0	12	14.30	10.9	7	6.89	MONROE	4.8	2	4.46	5.4	1	1.98
11.2	10	9.63	17.4	10	6.16	MONTGOMERY	7.4	7	10.22	11.2	4	3.85
15.6	12	9.29	19.9	18	9.70	MUNCIE	0.8	0	0.00	0.8	1	14.08
18.6	19	10.98	21.9	15	7.36	MUSKEGON	1.0	1	10.35	1.0	1	10.68
41.7	25	6.45	61.4	28	4.90	NASHVILLE	10.2	10	10.49	12.6	5	4.27
223.9	319	15.30	311.9	435	14.98	NEWARK	20.2	75	39.88	25.8	34	14.18
100.5	107	11.43	131.2	132	10.81	NEW HAVEN	3.5	7	21.34	3.6	1	2.99
71.6	142	21.30	108.7	132	13.06	NEW ORLEANS	27.3	56	22.07	37.4	26	7.47
15.6	14	9.64	18.3	19	10.58	NEWPORT NEWS	6.4	6	10.06	6.6	3	4.90
1459.3	2104	15.49	1987.2	1909	10.90	NEW YORK	114.5	378	35.44	149.1	142	10.23
39.8	43	11.59	53.1	58	11.73	NORFOLK	15.5	19	13.16	17.9	9	5.39
5.8	9	16.55	6.3	3	5.08	ODESSA	0.3	0	0.00	0.3	1	33.62
13.3	19	15.35	15.3	14	9.82	OGDEN	0.4	1	25.76	0.2	0	0.00
63.3	71	12.05	84.6	62	7.97	OKLAHOMA CITY	5.7	3	5.69	5.8	3	5.58
62.9	101	17.24	91.8	75	8.85	OMAHA	3.4	5	15.78	4.1	3	7.89
42.1	21	5.36	50.8	18	3.91	ORLANDO	5.5	6	11.72	5.8	2	3.70
162.2	158	10.46	212.6	163	8.24	PATERSON	3.7	12	34.88	4.6	7	16.31
16.3	10	6.57	20.1	10	5.33	PENSACOLA	3.7	2	5.76	4.6	1	2.35
42.7	29	7.30	56.4	32	6.10	PEORIA	1.1	2	19.61	1.2	1	9.14
543.2	596	11.79	746.7	639	9.19	PHILADELPHIA	71.6	133	20.01	86.6	54	6.70
78.5	52	7.12	85.6	37	4.64	PHOENIX	4.3	8	19.92	3.5	2	6.12
351.7	442	13.50	423.3	405	10.28	PITTSBURGH	21.5	40	19.96	22.0	12	5.86
26.3	38	15.44	35.2	37	11.28	PITTSFIELD	0.3	0	0.00	0.3	1	34.14
32.2	22	7.34	47.3	34	7.72	PORTLAND MAINE	0.1	1	99.17	0.1	0	0.00
144.6	149	11.08	182.1	106	6.25	PORTLAND OREG.	3.1	3	10.33	2.3	2	9.48
115.9	133	12.36	161.8	178	11.82	PROVIDENCE	1.8	4	23.23	2.0	2	10.76
11.5	16	13.10	13.7	24	18.78	PROVO	0.0	0	0.00	0.0	0	0.00
19.5	25	13.79	23.5	18	9.23	PUEBLO	0.6	2	36.91	0.5	0	0.00
20.8	16	7.23	25.4	18	7.63	RACINE	0.3	0	0.00	0.3	1	35.31
14.0	7	5.38	19.0	10	5.67	RALEIGH	4.6	2	4.67	6.0	3	5.40
47.9	76	17.03	59.9	94	16.85	READING	0.5	2	41.11	0.6	1	19.18
11.8	16	12.78	11.9	11	9.95	RENO	0.4	1	27.19	0.3	0	0.00
39.2	66	18.08	61.8	72	12.51	RICHMOND	12.2	25	22.03	14.6	14	10.28
20.0	30	16.14	28.2	39	14.88	ROANOKE	2.6	2	8.37	3.1	0	0.00
93.6	68	7.80	131.2	69	5.65	ROCHESTER	1.8	1	6.07	1.9	1	5.60
28.4	21	7.93	34.5	30	9.83	ROCKFORD	0.7	1	16.18	0.8	0	0.00
60.2	60	10.71	68.7	17	2.66	SACRAMENTO	4.4	1	2.46	2.8	2	7.66
24.5	22	9.66	30.4	24	8.40	SAGINAW	1.3	0	0.00	1.4	1	7.69
19.5	17	9.36	26.8	23	9.21	ST. JOSEPH	0.6	0	0.00	0.8	0	0.00
261.8	362	14.85	371.7	402	11.62	ST. LOUIS	36.3	76	21.88	44.0	71	17.35
45.8	42	9.85	58.8	55	10.05	SALT LAKE CITY	0.9	2	23.61	0.5	0	0.00
9.2	8	9.30	11.6	10	9.24	SAN ANGELO	0.4	0	0.00	0.5	0	0.00
72.7	48	7.09	90.2	63	6.82	SAN ANTONIO	5.0	2	4.28	7.2	4	5.95
125.3	98	8.40	144.7	68	5.05	SAN BERNARDINO	4.1	2	5.26	4.1	0	0.00
124.4	110	9.50	161.1	114	7.60	SAN DIEGO	4.2	5	12.76	4.1	3	7.92
369.2	504	14.64	501.0	417	8.94	SAN FRANCISCO	32.3	54	17.93	28.2	14	5.34
74.6	43	6.19	101.4	40	4.24	SAN JOSE	2.5	1	4.36	1.8	0	0.00
23.9	16	6.30	32.7	19	6.25	SANTA BARBARA	0.8	0	0.00	0.6	0	0.00
12.9	12	9.98	19.3	13	7.25	SAVANNAH	6.6	5	8.19	9.1	4	4.74
39.3	54	14.78	52.6	70	14.28	SCRANTON	0.1	1	89.76	0.2	1	65.61
170.5	221	13.92	209.0	176	9.09	SEATTLE	7.1	13	19.54	4.8	1	2.21
22.1	20	9.71	29.3	22	9.07	SHREVEPORT	13.5	7	5.58	16.8	8	5.12
20.2	15	7.98	23.7	24	10.86	SIOUX CITY	0.3	0	0.00	0.3	0	0.00
13.2	9	7.34	15.7	9	6.16	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
32.6	29	9.57	39.8	28	7.56	SOUTH BEND	1.4	2	15.29	1.4	0	0.00
51.7	36	7.48	59.4	40	7.24	SPOKANE	0.7	1	14.88	0.6	0	0.00
24.9	20	8.64	34.1	13	4.09	SPRINGFIELD I.	1.1	0	0.00	1.3	1	8.19
23.1	20	9.28	31.2	19	6.54	SPRINGFIELD MO	0.5	0	0.00	0.6	0	0.00
20.7	13	6.75	27.1	24	9.50	SPRINGFIELD O.	1.8	0	0.00	2.4	3	13.62
81.5	126	16.34	116.0	200	18.52	SPRINGFIELD MA	1.3	6	49.40	1.6	2	13.36
24.9	27	11.63	26.5	20	8.10	STEUBENVILLE	0.9	1	11.77	0.9	0	0.00
39.3	48	13.13	40.3	29	7.74	STOCKTON	4.4	5	12.12	2.1	0	0.00
87.0	78	9.63	115.6	91	8.46	SYRACUSE	1.2	1	8.97	1.3	1	7.99
51.0	41	8.63	59.1	40	7.27	TACOMA	1.1	0	0.00	0.9	0	0.00
178.4	105	6.32	194.1	107	5.86	TAMPA	9.8	9	9.90	10.8	6	5.97
20.0	28	15.07	25.9	28	11.63	TERRE HAUTE	0.8	0	0.00	1.0	0	0.00
12.1	5	4.49	14.8	8	5.80	TEXARKANA	3.9	1	2.72	4.4	4	9.72
65.2	80	13.17	86.9	89	11.01	TOLEDO	4.6	6	14.03	5.1	1	2.12
21.2	15	7.61	29.7	18	6.50	TOPEKA	1.7	1	6.14	1.8	1	6.12
35.2	36	10.38	44.7	38	8.76	TRENTON	3.1	3	10.29	3.3	3	9.64
30.2	22	7.82	35.6	18	5.43	TUCSON	2.1	2	10.46	1.9	1	5.68
53.7	73	14.60	68.8	50	7.81	TULSA	5.5	3	5.90	6.5	8	13.21
10.7	4	4.01	13.5	10	7.98	TUSCALOOSA	3.9	2	5.46	4.2	2	5.06
9.5	5	5.64	12.2	2	1.76	TYLER	3.3	0	0.00	3.7	0	0.00
59.6	56	9.73	77.5	43	5.96	UTICA	0.5	1	23.70	0.4	0	0.00
19.7	16	8.71	26.0	10	4.14	WACO	3.7	1	2.87	4.6	3	6.94
162.5	210	13.88	253.6	215	9.11	WASHINGTON	48.1	121	27.03	59.6	49	8.84
17.7	17	10.31	23.1	17	7.91	WATERLOO	0.5	0	0.00	0.5	0	0.00
38.3	18	5.04	43.2	22	5.46	W. PALM BEACH	5.4	7	13.85	4.4	3	7.33
36.9	37	10.78	45.7	42	9.88	WHEELING	1.0	0	0.00	1.0	4	45.03
39.3	38	10.66	52.0	48	9.92	WICHITA	2.2	1	4.95	2.2	2	9.70
16.0	12	8.07	19.2	15	8.41	WICHITA FALLS	1.0	0	0.00	1.0	0	0.00
55.0	76	14.85	74.7	103	14.80	WILKES-BARRE	0.2	1	69.63	0.2	0	0.00
42.6	37	9.36	56.3	38	7.25	WILMINGTON	5.4	7	13.98	5.4	2	4.00
15.2	14	9.88	21.1	6	3.05	WINSTON-SALEM	4.4	4	9.67	6.1	3	5.26
102.7	104	10.88	143.0	135	10.14	WORCESTER	0.6	1	18.15	0.7	1	16.40
38.0	38	10.76	67.9	29	6.55	YORK	0.5	0	0.00	0.6	1	17.51
70.8	88	12.16	80.7	69	5.18	YOUNGSTOWN	5.2	3	6.14	4.8	2	6.45
14491.5	16454	12.20	19159.4	17048	9.56	TOTAL 201 SMSA	1363.9	2054	16.18	1576.3	1046	7.13

ALL AGE STANDARD RATE = 10.74

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

SUICIDE (I.S.C. E963,E970-E979)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
16.0	32	20.82	17.0	6	3.68	ABILENE	0.7	0	0.00	0.7	0	0.00
70.7	104	15.29	75.8	31	4.25	AKRON	5.2	6	12.09	5.4	0	0.00
6.1	7	11.98	6.1	4	6.82	ALBANY GA	2.7	0	0.00	3.7	1	2.83
100.9	127	13.07	114.9	38	3.44	ALBANY NY	2.2	3	14.38	2.3	0	0.00
31.5	80	26.39	33.0	21	6.62	ALBUQUERQUE	0.9	1	11.00	0.9	0	0.00
78.0	140	18.66	85.4	46	5.60	ALLENTOWN	0.6	0	0.00	0.6	0	0.00
21.5	27	13.06	24.7	8	3.37	ALTOONA	0.2	0	0.00	0.2	0	0.00
19.2	31	16.80	19.4	7	3.75	AMARILLO	1.0	2	20.92	1.0	0	0.00
21.8	32	15.29	23.1	14	6.31	ANN ARBOR	1.8	0	0.00	1.7	1	6.28
17.6	37	21.89	20.0	6	3.11	ASHEVILLE	2.1	1	5.01	2.4	0	0.00
107.9	209	20.12	122.7	69	5.86	ATLANTA	27.4	13	4.92	34.3	9	2.73
22.6	35	16.07	26.4	6	2.36	ATLANTIC CITY	4.2	2	4.91	4.9	0	0.00
20.7	43	21.62	21.0	6	2.97	AUGUSTA	7.4	8	11.16	9.2	2	2.26
25.6	52	21.15	27.4	15	5.69	AUSTIN	3.5	7	20.89	4.3	0	0.00
38.5	82	22.13	37.8	18	4.95	BAKERSFIELD	3.0	3	10.23	2.4	2	8.77
203.4	336	17.06	221.9	122	5.71	BALTIMORE	49.1	39	8.05	51.3	13	2.63
20.0	38	19.71	21.5	8	3.86	BATON ROUGE	8.4	6	7.45	9.9	2	2.10
14.8	14	9.84	15.7	12	7.94	BAY CITY	0.1	0	0.00	0.1	0	0.00
34.3	51	15.48	35.6	17	4.97	BEAUMONT	7.9	10	13.09	8.5	4	4.89
10.8	29	27.81	11.2	7	6.48	BILLINGS	0.1	0	0.00	0.1	0	0.00
32.2	33	10.64	35.8	10	2.90	BINGHAMTON	0.2	0	0.00	0.2	0	0.00
59.9	124	21.53	68.4	30	4.56	BIRMINGHAM	27.4	17	6.44	33.0	6	1.89
461.3	532	11.99	543.1	157	3.00	BOSTON	12.3	8	6.77	12.8	5	4.07
97.6	131	13.95	107.6	53	5.12	BRIDGEPORT	4.2	5	12.26	4.8	0	0.00
37.0	57	16.01	41.2	20	5.05	BROCKTON	0.8	0	0.00	0.6	0	0.00
17.2	18	10.87	18.6	7	3.92	BROWNSVILLE	0.2	0	0.00	0.2	1	- - -
187.1	225	12.50	203.3	61	3.12	BUFFALO	11.2	7	6.52	11.1	0	0.00
48.8	81	17.26	52.3	33	6.56	CANTON	2.3	2	8.85	2.4	0	0.00
19.7	54	28.51	21.8	10	4.77	CEDAR RAPIDS	0.2	0	0.00	0.2	0	0.00
16.7	29	18.01	16.5	7	4.41	CHAMPAIGN	1.0	0	0.00	0.9	0	0.00
17.9	28	16.27	18.3	10	5.67	CHARLESTON SC	7.9	2	2.54	9.8	0	0.00
33.2	80	25.08	36.2	19	5.46	CHARLESTON WVA	2.1	0	0.00	2.4	1	4.31
27.7	44	16.52	31.8	17	5.55	CHARLOTTE	7.5	9	12.40	9.0	2	2.32
33.0	49	15.41	37.8	16	4.39	CHATTANOOGA	6.5	7	11.27	8.0	4	5.21
840.9	1082	13.37	902.9	383	4.41	CHICAGO	116.3	79	7.06	126.1	34	2.80
138.8	245	18.34	162.2	76	4.76	CINCINNATI	17.4	14	8.37	19.7	5	2.63
238.1	382	16.67	262.4	137	5.43	CLEVELAND	33.9	24	7.35	36.5	12	3.42
18.8	49	27.13	20.2	9	4.62	COLORADO SPRGS	0.7	0	0.00	0.7	0	0.00
25.7	40	16.15	26.2	7	2.77	COLUMBIA	8.7	8	9.56	9.6	3	3.24
19.8	49	25.73	20.0	9	4.67	COLUMBUS GA	7.1	2	2.94	8.9	0	0.00
84.4	135	16.63	94.1	47	5.19	COLUMBUS OHIO	11.3	14	12.93	11.5	2	1.80
25.8	37	14.90	27.1	12	4.60	CORPUS CHRISTI	1.3	2	15.79	1.5	0	0.00
130.6	225	17.91	147.2	55	3.88	DALLAS	19.4	7	3.74	21.6	1	0.48
40.3	75	19.33	43.3	22	5.27	DAVENPORT	0.8	1	12.55	0.8	0	0.00
88.1	112	13.21	95.4	24	2.61	DAYTON	9.1	5	5.73	9.5	0	0.00
16.7	31	19.31	19.0	4	2.19	DECATUR	0.7	1	14.91	0.8	0	0.00
125.4	316	26.18	138.5	93	6.98	DENVER	5.0	6	12.46	5.2	3	5.97
36.9	56	15.78	42.8	16	3.88	DES MOINES	1.4	1	7.29	1.6	1	6.42
478.0	756	16.44	495.2	276	5.75	DETROIT	73.6	55	7.76	77.5	17	2.28
11.0	20	18.89	12.6	2	1.65	DUBUQUE	0.0	0	0.00	0.0	0	0.00
44.0	105	24.82	44.2	16	3.76	DULUTH	0.3	0	0.00	0.2	0	0.00
10.8	18	17.28	12.4	4	3.34	DURHAM	4.4	2	4.70	5.4	0	0.00
35.5	72	21.07	37.4	17	4.73	EL PASO	1.3	2	15.85	1.0	1	10.27
36.2	46	13.22	39.5	15	3.95	ERIE	0.8	0	0.00	0.8	0	0.00
23.6	42	18.49	23.8	11	4.80	EUGENE	0.1	0	0.00	0.1	0	0.00
27.6	42	15.80	32.0	11	3.58	EVANSVILLE	1.9	2	11.01	2.2	0	0.00
61.5	59	9.97	72.7	17	2.43	FALL RIVER	0.7	2	28.38	0.7	0	0.00
15.0	20	13.85	15.3	7	4.76	FARGO	0.0	0	0.00	0.0	0	0.00
46.8	77	17.10	48.3	23	4.95	FLINT	4.2	5	12.45	4.0	0	0.00
48.7	82	17.49	53.6	36	7.01	FT. LAUDERDALE	5.9	9	15.74	6.1	4	6.86
9.4	10	11.07	10.9	4	3.81	FORT SMITH	0.6	0	0.00	0.8	0	0.00
31.5	42	13.87	35.0	14	4.15	FORT WAYNE	1.3	0	0.00	1.4	0	0.00
72.5	119	17.06	79.0	38	5.00	FORT WORTH	7.8	5	6.66	8.8	3	3.56
48.4	67	14.38	49.8	35	7.31	FRESNO	4.2	8	19.97	3.4	2	6.06
11.8	16	14.19	13.0	2	1.60	GADSDEN	1.8	0	0.00	2.1	1	4.97
16.1	37	23.83	16.6	2	1.25	GALVESTON	4.0	4	10.46	4.3	0	0.00
70.8	97	14.24	68.2	30	4.57	GARY	10.5	15	14.86	10.8	0	0.00
49.5	66	13.87	55.0	28	5.29	GRAND RAPIDS	1.8	1	5.86	1.9	1	5.48
10.3	28	28.28	9.8	10	10.57	GREAT FALLS	0.2	0	0.00	0.1	0	0.00
16.8	26	16.04	18.1	7	4.01	GREEN BAY	0.2	0	0.00	0.2	0	0.00
26.6	59	23.01	30.4	15	5.12	GREENSBORO	6.2	5	8.33	6.9	0	0.00
23.4	27	11.98	26.3	13	5.14	GREENVILLE	4.2	3	7.46	5.0	0	0.00
25.9	29	11.62	27.8	11	4.11	HAMILTON	1.3	0	0.00	1.4	0	0.00
49.1	70	14.82	55.8	13	2.42	HARRISBURG	2.9	2	7.05	3.2	0	0.00
101.9	122	12.44	110.6	51	4.79	HARTFORD	4.0	2	5.18	4.0	2	5.22
24.1	39	16.85	19.5	8	4.25	HONOLULU	43.9	57	13.51	37.9	9	2.47
136.9	251	19.05	145.8	86	6.13	HOUSTON	30.6	22	7.48	33.2	10	3.13
36.5	62	17.67	40.2	13	3.36	HUNTINGTON	1.2	1	8.71	1.3	0	0.00
12.4	17	14.30	12.5	3	2.49	HUNTSVILLE	2.5	3	12.54	2.9	0	0.00
86.6	162	19.43	99.0	64	6.72	INDIANAPOLIS	13.4	15	11.63	15.1	4	2.75
18.9	41	22.55	19.1	6	3.26	JACKSON MICH	1.6	0	0.00	0.7	0	0.00
15.1	29	19.97	17.7	12	7.06	JACKSON MISS	8.3	5	6.27	10.0	2	2.09
47.6	100	21.82	51.3	33	6.69	JACKSONVILLE	13.3	8	6.23	15.6	2	1.33
96.1	116	12.54	106.2	49	4.80	JERSEY CITY	4.9	2	4.23	5.6	0	0.00
43.0	70	16.93	45.2	11	2.53	JOHNSTOWN	0.5	0	0.00	0.5	0	0.00
22.9	33	14.96	25.3	5	2.06	KALAMAZOO	0.7	1	14.55	0.7	0	0.00
136.1	247	18.86	154.6	75	5.04	KANSAS CITY	16.3	15	9.55	18.1	7	4.01
15.1	14	9.65	15.3	5	3.40	KENOSHA	0.1	0	0.00	0.1	0	0.00
48.0	60	12.98	54.1	17	3.27	KNOXVILLE	3.7	8	22.29	4.5	0	0.00
14.6	25	17.84	14.6	11	7.83	LAKE CHARLES	3.4	2	6.04	3.6	0	0.00
40.5	64	16.42	46.0	12	2.71	LANCASTER	0.5	0	0.00	0.5	0	0.00
40.1	77	19.96	42.9	26	6.29	LANSING	1.0	1	10.08	1.0	0	0.00
7.5	4	5.53	8.9	0	0.00	LAREDO	0.0	0	0.00	0.0	0	0.00
18.0	69	39.64	16.0	19	12.33	LAS VEGAS	1.4	1	7.26	1.3	2	16.11
10.7	12	11.67	9.2	4	4.53	LAWTON	1.2	1	8.49	1.1	0	0.00
16.1	31	19.95	17.7	4	2.35	LEXINGTON	3.1	1	3.38	3.3	1	3.12
14.3	23	16.68	15.5	9	6.02	LIMA	1.0	1	10.75	0.8	0	0.00
22.0	42	19.82	24.6	13	5.49	LINCOLN	0.5	0	0.00	0.3	0	0.00
28.2	40	14.72	31.0	12	4.02	LITTLE ROCK	6.8	5	7.68	8.0	2	2.60
28.8	37	13.36	28.2	7	2.60	LORAIN	1.6	3	20.06	1.5	0	0.00
928.2	2054	23.00	1041.2	1076	10.72	LOS ANGELES	78.3	108	14.32	81.2	40	5.12

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

SUICIDE (I.S.C. E963,E970-E979)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
90.0	176	20.32	104.5	40	4.05	LOUISVILLE	11.6	22	19.04	13.3	4	3.13
18.3	30	17.06	18.9	6	3.29	LUBBOCK	1.4	1	7.45	1.4	0	0.00
12.6	37	30.55	14.8	7	4.92	LYNCHBURG	3.0	6	20.49	3.4	1	3.03
16.5	54	34.03	18.5	10	5.60	MACON	6.3	13	21.59	8.1	0	0.00
30.4	74	25.32	32.8	17	5.38	MADISON	0.4	0	0.00	0.3	0	0.00
26.8	44	17.06	31.3	14	4.65	MANCHESTER	0.1	0	0.00	0.1	0	0.00
55.1	91	17.17	63.1	30	4.94	MEMPHIS	28.1	10	3.70	32.8	4	1.27
135.0	309	23.78	146.1	150	10.67	MIAMI	16.5	11	6.93	17.2	3	1.82
7.5	15	20.89	7.6	5	6.80	MIDLAND	0.7	0	0.00	0.8	0	0.00
172.6	275	16.56	186.5	70	3.90	MILWAUKEE	7.2	5	7.20	7.2	1	1.45
205.4	294	14.87	232.5	82	3.67	MINNEAPOLIS	3.7	3	8.50	3.5	0	0.00
28.6	50	18.18	30.8	12	4.04	MOBILE	11.5	3	2.72	13.6	2	1.53
9.6	11	11.95	10.5	5	4.95	MONROE	3.8	1	2.71	4.7	0	0.00
14.3	41	29.80	16.0	11	7.14	MONTGOMERY	7.4	6	8.44	9.5	0	0.00
15.0	34	23.55	16.4	5	3.17	MUNCIE	0.8	0	0.00	0.8	0	0.00
19.2	27	14.58	20.2	6	3.09	MUSKEGON	1.5	0	0.00	1.5	1	7.12
45.5	80	18.29	52.9	22	4.32	NASHVILLE	10.4	9	9.03	12.3	1	0.84
237.9	254	11.09	267.0	118	4.59	NEWARK	28.8	25	9.01	33.2	7	2.19
98.3	114	12.24	108.1	57	5.48	NEW HAVEN	4.1	3	7.65	4.5	0	0.00
87.5	119	14.14	100.0	36	3.74	NEW ORLEANS	32.3	23	7.40	38.5	0	0.00
22.4	43	19.95	20.9	13	6.45	NEWPORT NEWS	8.3	3	3.77	8.2	2	2.54
1558.2	1771	11.81	1751.2	909	5.39	NEW YORK	168.8	173	10.65	205.2	73	3.70
57.7	125	22.51	54.1	40	7.40	NORFOLK	19.2	14	8.66	20.8	4	2.00
10.8	22	21.23	10.3	4	4.05	ODESSA	0.6	0	0.00	0.5	0	0.00
14.2	32	23.47	14.7	9	6.38	OGDEN	0.4	0	0.00	0.3	0	0.00
67.0	104	16.14	74.1	31	4.35	OKLAHOMA CITY	5.7	9	16.43	6.5	2	3.22
62.2	102	17.03	67.9	25	3.82	OMAHA	3.5	2	6.01	3.7	2	5.64
39.1	76	20.19	42.3	18	4.42	ORLANDO	6.9	2	3.03	6.7	0	0.00
180.5	180	10.36	198.5	75	3.93	PATERSON	5.4	6	11.48	6.5	1	1.61
21.2	48	23.53	21.8	8	3.82	PENSACOLA	4.2	3	7.46	5.0	1	2.08
42.1	75	18.52	45.3	29	6.66	PEORIA	1.2	0	0.00	1.3	0	0.00
571.1	782	14.23	634.3	306	5.01	PHILADELPHIA	90.2	77	8.88	101.5	27	2.76
88.9	181	21.15	90.9	61	6.97	PHOENIX	4.6	3	6.79	4.2	3	7.37
351.0	452	13.38	380.0	154	4.21	PITTSBURGH	23.8	18	7.85	24.5	2	0.85
21.7	34	16.29	24.9	7	2.93	PITTSFIELD	0.2	0	0.00	0.2	0	0.00
27.4	42	15.93	32.0	19	6.18	PORTLAND MAINE	0.1	1	83.95	0.1	0	0.00
126.9	240	19.66	138.6	66	4.94	PORTLAND OREG.	3.5	4	11.80	3.1	1	3.35
110.4	106	9.98	127.9	36	2.93	PROVIDENCE	1.8	3	17.03	2.0	1	5.32
12.9	18	14.51	13.3	7	5.47	PROVO	0.1	0	0.00	0.0	0	0.00
17.0	44	26.87	17.6	12	7.07	PUEBLO	0.4	0	0.00	0.4	0	0.00
20.1	28	14.49	21.3	14	6.82	RACINE	0.6	0	0.00	0.5	0	0.00
17.6	36	21.23	19.2	14	7.56	RALEIGH	5.3	2	3.92	6.1	2	3.43
45.1	71	16.35	49.7	24	5.02	READING	0.6	0	0.00	0.7	0	0.00
13.1	60	47.49	12.5	12	9.87	RENO	0.5	3	62.05	0.4	0	0.00
44.3	97	22.75	52.7	35	6.90	RICHMOND	14.2	13	9.53	16.4	1	0.63
20.9	68	33.77	23.7	18	7.88	ROANOKE	2.9	5	18.03	3.2	1	3.27
87.3	120	14.29	99.5	57	5.95	ROCHESTER	2.8	2	7.46	2.8	0	0.00
29.2	53	18.83	31.3	19	6.31	ROCKFORD	0.9	1	11.08	1.0	0	0.00
68.0	169	25.81	66.9	59	9.16	SACRAMENTO	5.5	10	18.87	4.3	5	12.19
24.3	29	12.41	25.7	10	4.06	SAGINAW	2.2	2	9.50	2.1	1	5.06
14.5	35	25.09	17.1	8	4.87	ST. JOSEPH	0.4	1	24.66	0.5	1	20.80
265.4	458	17.93	302.8	121	4.15	ST. LOUIS	37.8	28	7.69	44.6	13	3.03
48.8	80	17.02	52.5	16	3.17	SALT LAKE CITY	0.8	1	12.77	0.6	0	0.00
8.9	20	23.32	9.7	5	5.33	SAN ANGELO	0.4	1	23.38	0.5	0	0.00
82.7	141	17.71	91.1	42	4.79	SAN ANTONIO	6.2	9	15.14	7.1	1	1.47
116.1	215	19.25	120.1	79	6.84	SAN BERNARDINO	5.2	4	8.02	4.4	0	0.00
140.9	281	20.72	141.5	110	8.08	SAN DIEGO	7.0	12	17.91	5.9	2	3.51
388.7	974	26.04	420.4	458	11.32	SAN FRANCISCO	48.2	60	12.95	43.3	17	4.08
83.8	179	22.21	90.2	60	6.91	SAN JOSE	3.0	4	13.84	2.5	1	4.19
24.1	49	21.11	25.8	23	9.25	SANTA BARBARA	1.1	1	9.81	0.7	0	0.00
16.6	32	20.04	18.7	8	4.45	SAVANNAH	7.9	1	1.32	9.7	0	0.00
38.0	63	17.25	45.1	13	3.00	SCRANTON	0.1	0	0.00	0.1	0	0.00
161.3	360	23.19	170.3	152	9.28	SEATTLE	8.0	12	15.52	6.4	9	14.66
25.6	62	25.14	28.4	13	4.75	SHREVEPORT	11.3	4	3.67	13.9	0	0.00
16.1	38	24.49	17.8	4	2.33	SIOUX CITY	0.3	0	0.00	0.3	0	0.00
12.1	18	15.49	13.2	2	1.58	SIOUX FALLS	0.1	0	0.00	0.1	0	0.00
33.6	45	13.93	35.7	24	6.98	SOUTH BEND	1.7	3	17.95	1.8	1	5.67
41.9	93	23.06	44.0	20	4.72	SPOKANE	0.8	1	13.30	0.7	0	0.00
21.6	36	17.33	25.6	13	5.28	SPRINGFIELD I.	0.8	0	0.00	1.0	0	0.00
18.9	47	25.91	21.8	10	4.76	SPRINGFIELD MO	0.4	0	0.00	0.4	0	0.00
17.6	12	7.08	19.7	7	3.69	SPRINGFIELD O.	1.7	4	24.75	2.0	0	0.00
78.9	112	14.75	89.7	43	4.98	SPRINGFIELD MA	1.8	2	11.43	1.9	0	0.00
24.8	37	15.53	25.1	6	2.48	STEUBENVILLE	1.0	1	9.95	1.0	0	0.00
36.6	73	20.74	34.8	22	6.56	STOCKTON	4.8	6	12.86	2.6	1	3.94
81.9	129	16.36	89.3	32	3.72	SYRACUSE	1.7	1	6.03	1.7	0	0.00
47.2	97	21.36	47.1	32	7.07	TACOMA	2.0	4	20.89	1.5	1	7.10
123.4	249	20.97	138.5	88	6.60	TAMPA	11.5	15	13.60	12.3	3	2.53
16.4	29	18.41	18.6	9	5.02	TERRE HAUTE	0.8	0	0.00	0.8	0	0.00
11.0	15	14.14	12.0	4	3.46	TEXARKANA	3.1	1	3.40	3.5	0	0.00
64.0	142	23.05	70.3	28	4.16	TOLEDO	5.5	5	9.42	5.9	1	1.75
19.0	35	19.12	21.3	11	5.36	TOPEKA	1.4	0	0.00	1.6	1	6.66
37.8	47	12.91	40.9	20	5.08	TRENTON	4.5	3	6.94	4.4	2	4.68
35.0	86	25.53	37.6	20	5.53	TUCSON	2.2	4	18.95	2.0	0	0.00
55.2	93	17.52	61.6	19	3.21	TULSA	5.0	3	6.27	5.9	1	1.77
11.6	11	9.83	12.0	1	0.87	TUSCALOOSA	3.5	1	2.97	4.2	0	0.00
9.7	14	15.06	10.7	7	6.78	TYLER	3.0	3	10.23	3.4	0	0.00
51.1	83	16.89	55.5	18	3.37	UTICA	0.6	1	16.31	0.6	0	0.00
19.2	16	8.64	20.7	5	2.51	WACO	3.2	3	9.72	3.7	0	0.00
213.1	375	18.29	242.3	161	6.91	WASHINGTON	65.2	53	8.45	71.4	17	2.48
16.5	23	14.51	19.1	6	3.45	WATERLOO	0.6	0	0.00	0.6	0	0.00
31.0	56	18.80	34.4	25	7.56	W. PALM BEACH	7.4	7	9.79	6.3	0	0.00
30.3	38	12.00	33.1	6	1.89	WHEELING	0.7	1	13.94	0.7	0	0.00
43.3	94	22.53	47.5	28	6.13	WICHITA	2.5	3	12.62	2.6	0	0.00
17.3	24	14.45	17.8	7	4.10	WICHITA FALLS	1.2	2	17.38	1.3	0	0.00
57.0	89	16.21	66.6	18	2.81	WILKES-BARRE	0.2	0	0.00	0.2	0	0.00
47.0	77	17.04	50.7	24	4.92	WILMINGTON	6.2	7	11.73	6.2	3	5.00
19.5	29	15.43	22.2	7	3.28	WINSTON-SALEM	5.6	9	16.59	7.0	1	1.49
91.2	133	15.16	103.0	39	3.93	WORCESTER	0.5	0	0.00	0.5	1	19.30
35.9	72	20.84	39.1	19	5.05	YORK	0.6	1	16.05	0.7	0	0.00
70.3	113	16.71	73.7	34	4.79	YOUNGSTOWN	6.3	3	4.92	6.2	2	3.34
15183.5	24661	16.88	16678.8	8808	5.49	TOTAL 201 SMSA	1689.5	1487	9.15	1846.2	456	2.57

ALL AGE STANDARD RATE = 10.39

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

HOMICIDE (I.S.C. E964,E980-E985)

WHITE MALE EXP.	WHITE MALE OBS.	WHITE MALE RATE	WHITE FEMALE EXP.	WHITE FEMALE OBS.	WHITE FEMALE RATE	SMSA	NON-WHITE MALE EXP.	NON-WHITE MALE OBS.	NON-WHITE MALE RATE	NON-WHITE FEMALE EXP.	NON-WHITE FEMALE OBS.	NON-WHITE FEMALE RATE
8.4	10	5.76	8.3	6	3.47	ABILENE	0.4	3	36.21	0.4	0	0.00
32.5	8	1.18	34.3	11	1.56	AKRON	2.7	13	22.77	3.0	2	3.25
3.4	5	6.34	3.6	0	0.00	ALBANY GA	1.5	12	38.54	1.9	2	5.12
43.4	9	1.00	47.4	3	0.30	ALBANY NY	1.1	6	25.19	1.3	0	0.00
17.9	21	5.67	19.2	11	2.91	ALBUQUERQUE	0.6	2	15.56	0.6	2	15.19
34.6	5	0.70	34.7	9	1.18	ALLENTOWN	0.3	0	0.00	0.3	1	15.78
9.0	2	1.08	10.0	2	0.97	ALTOONA	0.1	0	0.00	0.1	0	0.00
10.8	4	2.67	10.1	3	1.43	AMARILLO	0.6	7	54.77	0.5	3	26.50
12.1	8	1.90	11.9	1	0.40	ANN ARBOR	1.1	1	4.49	0.9	1	5.18
7.9	24	14.64	8.8	3	1.65	ASHEVILLE	0.9	7	37.60	1.0	5	23.33
56.3	50	4.28	59.9	23	1.95	ATLANTA	14.8	196	63.02	17.7	53	14.46
8.8	5	2.74	9.8	3	1.47	ATLANTIC CITY	1.8	9	23.66	2.1	4	9.00
11.9	16	6.49	10.7	10	4.48	AUGUSTA	3.9	36	41.53	4.5	12	12.74
13.7	13	4.54	13.4	3	1.08	AUSTIN	1.7	11	30.47	2.0	2	4.78
19.3	29	7.25	19.1	13	3.28	BAKERSFIELD	1.4	14	48.08	1.3	4	14.92
97.4	73	3.61	100.1	38	1.83	BALTIMORE	26.2	166	30.50	27.8	50	8.65
11.2	7	3.00	11.7	6	2.47	BATON ROUGE	4.5	32	34.02	5.3	8	7.31
7.1	3	2.03	7.5	0	0.00	BAY CITY	0.0	1	105.24	0.1	1	93.11
17.3	22	6.11	17.8	7	1.89	BEAUMONT	4.1	35	40.99	4.6	6	6.34
5.3	4	3.62	5.4	1	0.86	BILLINGS	0.1	0	0.00	0.1	0	0.00
14.5	4	1.33	15.6	1	0.31	BINGHAMTON	0.1	0	0.00	0.1	0	0.00
29.0	34	5.65	31.9	9	1.36	BIRMINGHAM	13.0	120	44.45	15.7	37	11.36
207.2	63	1.46	224.3	40	0.86	BOSTON	6.6	19	13.13	6.8	7	4.99
43.3	16	1.78	44.6	6	0.62	BRIDGEPORT	2.4	6	11.90	2.7	5	8.78
16.4	4	1.17	17.4	4	1.11	BROCKTON	0.4	0	0.00	0.3	0	0.00
9.5	22	11.14	10.2	6	2.84	BROWNSVILLE	0.1	0	0.00	0.1	0	0.00
84.9	36	2.04	89.6	13	0.70	BUFFALO	6.2	26	20.14	6.6	5	3.66
22.1	14	3.05	23.4	8	1.65	CANTON	1.2	4	15.84	1.3	2	7.37
9.3	7	3.62	9.8	5	2.45	CEDAR RAPIDS	0.1	0	0.00	0.1	0	0.00
10.4	2	0.93	8.6	5	2.80	CHAMPAIGN	0.7	2	14.77	0.6	1	8.70
10.7	18	8.58	9.8	6	2.95	CHARLESTON SC	4.6	40	42.28	5.4	13	11.65
16.3	20	5.91	17.8	4	1.08	CHARLESTON WVA	0.9	9	48.38	1.1	0	0.00
14.6	17	5.60	14.0	5	1.50	CHARLOTTE	4.2	76	87.52	4.9	19	18.66
16.1	45	13.46	17.9	6	1.63	CHATTANOOGA	3.0	45	72.50	3.7	14	18.28
379.5	352	4.47	392.5	117	1.44	CHICAGO	62.7	568	43.67	69.4	145	10.07
63.6	30	2.26	69.9	20	1.38	CINCINNATI	8.3	76	43.91	9.8	23	11.26
107.2	53	2.38	114.6	35	1.47	CLEVELAND	18.0	163	43.70	19.9	58	14.01
10.2	8	3.79	9.7	3	1.40	COLORADO SPRGS	0.5	5	48.74	0.4	1	10.83
15.0	14	4.51	13.0	4	1.48	COLUMBIA	5.0	42	40.41	5.2	10	9.24
12.3	16	6.27	10.9	7	4.10	COLUMBUS GA	4.1	37	43.37	4.6	6	6.31
43.2	17	1.90	44.9	9	0.97	COLUMBUS OHIO	5.8	22	18.24	6.0	15	12.14
14.2	25	8.51	14.9	12	4.88	CORPUS CHRISTI	0.7	5	35.38	0.8	3	18.20
65.5	99	7.29	70.4	38	2.60	DALLAS	10.4	181	84.09	11.7	33	13.64
18.1	8	2.13	18.9	2	0.51	DAVENPORT	0.4	2	21.96	0.4	1	10.86
43.8	18	1.98	44.0	12	1.26	DAYTON	4.8	30	30.00	5.3	11	10.05
7.6	3	1.90	8.2	1	0.58	DECATUR	0.4	1	12.71	0.4	0	0.00
62.4	69	5.32	65.5	28	2.06	DENVER	2.8	28	48.62	2.9	9	15.06
17.2	10	2.80	19.1	3	0.76	DES MOINES	0.7	1	7.11	0.8	0	0.00
223.7	155	3.34	233.2	59	1.22	DETROIT	38.2	250	31.54	42.3	84	9.56
5.3	2	1.82	5.5	2	1.75	DUBUQUE	0.0	0	0.00	0.0	0	0.00
18.5	8	2.08	18.8	6	1.54	DULUTH	0.2	0	0.00	0.1	0	0.00
5.6	5	4.30	5.9	1	0.82	DURHAM	2.3	26	55.36	2.8	6	10.44
21.6	32	7.13	21.3	9	2.06	EL PASO	0.9	6	30.62	0.7	4	27.57
16.5	3	0.88	17.7	1	0.27	ERIE	0.5	1	10.70	0.5	3	29.36
11.3	4	1.70	11.5	3	1.26	EUGENE	0.1	0	0.00	0.1	0	0.00
12.4	13	5.06	13.8	3	1.05	EVANSVILLE	0.8	10	61.26	1.0	4	20.00
26.5	6	1.09	29.4	7	1.15	FALL RIVER	0.4	1	13.65	0.4	1	12.84
7.3	1	0.64	7.4	0	0.00	FARGO	0.0	0	0.00	0.0	0	0.00
23.5	12	2.46	24.1	17	3.40	FLINT	2.6	16	29.53	2.6	8	14.91
18.9	18	4.59	22.8	7	1.62	FT. LAUDERDALE	3.7	75	98.25	3.9	20	24.69
4.1	7	8.20	4.6	0	0.00	FORT SMITH	0.3	3	56.81	0.3	1	14.83
15.0	5	1.61	15.9	3	0.91	FORT WAYNE	0.8	3	18.39	0.9	1	5.57
36.6	72	9.48	38.2	25	3.16	FORT WORTH	3.9	79	96.37	4.5	15	16.07
23.3	27	5.59	24.0	9	1.81	FRESNO	1.9	16	40.45	1.8	5	13.42
5.6	6	5.13	6.1	1	0.79	GADSDEN	0.9	18	95.24	1.1	4	18.18
7.8	19	11.70	9.1	5	2.97	GALVESTON	1.9	14	34.79	2.2	3	6.52
35.0	33	4.55	34.5	7	0.98	GARY	5.7	51	43.28	6.2	12	9.29
23.1	10	2.09	24.9	2	0.39	GRAND RAPIDS	1.0	4	19.61	1.1	4	17.48
5.2	2	1.85	4.9	4	3.90	GREAT FALLS	0.1	1	40.71	0.1	1	45.65
8.2	3	1.77	9.5	2	1.14	GREEN BAY	0.1	0	0.00	0.1	0	0.00
13.7	16	5.62	15.2	7	2.22	GREENSBORO	3.5	27	37.56	3.8	14	17.73
12.4	18	6.98	13.1	7	2.57	GREENVILLE	2.3	33	69.14	2.6	8	14.60
13.3	7	2.54	13.8	4	1.40	HAMILTON	0.7	3	21.76	0.8	2	12.73
22.4	7	1.51	24.1	3	0.60	HARRISBURG	1.6	6	18.54	1.7	3	8.64
46.6	19	1.96	48.9	7	0.69	HARTFORD	2.4	9	17.82	2.4	9	18.37
16.2	8	2.37	11.7	2	0.82	HONOLULU	23.6	22	4.49	22.5	13	2.78
71.1	149	10.09	74.6	35	2.26	HOUSTON	16.8	189	54.34	18.6	47	12.18
16.9	17	4.86	19.2	10	2.65	HUNTINGTON	0.5	3	29.57	0.5	1	8.86
7.2	13	8.73	7.0	6	4.15	HUNTSVILLE	1.3	13	46.49	1.6	1	3.09
41.1	54	6.33	44.5	15	1.62	INDIANAPOLIS	6.6	74	54.20	7.6	15	9.53
8.9	5	2.71	8.6	1	0.56	JACKSON MICH	0.9	0	0.00	0.3	1	14.05
7.9	5	3.06	8.9	4	2.18	JACKSON MISS	4.3	44	48.87	5.2	11	10.12
25.2	20	3.82	25.7	16	3.00	JACKSONVILLE	6.8	97	69.09	7.8	21	12.90
40.9	16	1.89	43.5	13	1.44	JERSEY CITY	2.8	12	20.45	3.3	11	16.27
18.7	10	2.57	19.9	7	1.69	JOHNSTOWN	0.2	0	0.00	0.3	1	18.22
11.2	2	0.86	11.9	1	0.40	KALAMAZOO	0.4	0	0.00	0.6	0	0.00
63.6	61	4.62	68.9	29	2.03	KANSAS CITY	7.6	87	55.37	8.7	19	10.55
7.0	1	0.69	6.9	2	1.40	KENOSHA	0.1	0	0.00	0.1	0	0.00
23.6	32	6.54	23.8	10	1.87	KNOXVILLE	1.7	22	61.69	2.1	3	6.90
8.4	3	1.73	8.2	4	2.35	LAKE CHARLES	2.0	9	22.17	2.1	6	13.95
18.8	1	0.24	20.1	6	1.46	LANCASTER	0.3	2	38.37	0.3	0	0.00
20.3	8	1.90	20.7	6	1.39	LANSING	0.6	1	7.68	0.4	0	0.00
4.0	3	3.63	4.5	0	0.00	LAREDO	0.0	0	0.00	0.0	1	297.11
9.0	15	8.06	8.4	10	5.70	LAS VEGAS	0.9	4	21.87	0.8	1	5.71
7.1	6	4.00	5.1	1	0.94	LAWTON	0.9	4	22.48	0.7	2	13.95
8.2	5	2.94	8.4	3	1.72	LEXINGTON	1.4	12	41.39	1.5	2	6.57
6.5	4	2.95	6.9	2	1.41	LIMA	0.5	2	18.35	0.5	3	29.75
11.1	2	0.87	11.1	10	4.35	LINCOLN	0.3	0	0.00	0.2	0	0.00
13.6	16	5.66	14.4	8	2.68	LITTLE ROCK	3.1	40	62.49	3.6	9	11.93
14.4	11	3.69	14.5	3	1.00	LORAIN	0.9	3	16.96	0.9	2	11.33
439.8	391	4.28	459.2	203	2.13	LOS ANGELES	43.6	247	27.28	45.3	71	7.55

TABLE 1 1959-61 OBSERVED DEATHS AND INDIRECT AGE-ADJUSTED EXPECTED DEATHS AND YEARLY RATES PER 100,000

HOMICIDE (I.S.C. E964,E980-E985)

WHITE MALE EXP.	OBS.	RATE	WHITE FEMALE EXP.	OBS.	RATE	SMSA	NON-WHITE MALE EXP.	OBS.	RATE	NON-WHITE FEMALE EXP.	OBS.	RATE
43.8	52	5.73	47.4	22	2.24	LOUISVILLE	5.3	63	57.70	6.1	22	17.37
10.4	20	9.23	10.3	5	2.34	LUBBOCK	0.8	24	141.76	0.9	2	11.23
6.0	6	4.78	6.8	5	3.56	LYNCHBURG	1.5	10	32.22	1.6	1	2.95
8.9	14	7.61	9.4	5	2.54	MACON	3.3	42	60.78	4.1	12	14.23
15.7	8	2.46	15.9	3	0.91	MADISON	0.3	0	0.00	0.2	0	0.00
11.8	7	2.85	13.0	1	0.37	MANCHESTER	0.0	0	0.00	0.0	0	0.00
28.7	24	4.03	30.4	8	1.27	MEMPHIS	13.5	82	29.27	14.1	22	6.59
56.0	72	6.13	60.9	42	3.32	MIAMI	9.8	148	72.54	10.4	46	21.39
4.4	8	8.68	4.6	3	3.14	MIDLAND	0.4	10	113.44	0.5	3	30.72
79.0	28	1.71	82.7	19	1.11	MILWAUKEE	4.5	21	22.39	4.7	9	9.14
97.8	46	2.27	105.8	16	0.73	MINNEAPOLIS	2.0	12	29.60	1.9	5	12.55
14.9	24	7.76	15.7	7	2.15	MOBILE	6.2	66	51.42	7.2	16	10.70
4.8	5	5.05	5.1	2	1.89	MONROE	1.8	20	53.36	2.3	3	6.36
7.7	8	5.03	7.8	0	0.00	MONTGOMERY	3.8	40	50.42	4.6	15	15.57
7.3	6	3.97	7.7	4	2.49	MUNCIE	0.4	1	13.04	0.4	1	11.57
9.2	5	2.63	9.6	2	1.00	MUSKEGON	0.8	10	58.52	0.9	2	10.93
22.8	23	4.87	24.8	4	0.78	NASHVILLE	5.0	81	77.29	5.9	22	18.07
102.7	45	2.11	111.5	22	0.95	NEWARK	15.8	76	23.15	18.2	28	7.41
44.1	6	0.65	46.4	7	0.73	NEW HAVEN	2.4	8	16.08	2.6	4	7.28
42.1	38	4.35	45.4	14	1.49	NEW ORLEANS	16.6	131	38.05	19.4	24	5.96
12.9	8	2.99	11.5	7	2.93	NEWPORT NEWS	4.6	35	38.10	4.5	13	13.77
664.4	504	3.65	725.2	149	1.12	NEW YORK	89.0	616	33.34	109.0	175	7.73
34.7	31	4.31	29.4	16	2.62	NORFOLK	10.3	56	26.26	10.9	28	12.36
6.3	8	6.07	6.3	6	4.61	ODESSA	0.4	8	106.77	0.4	0	0.00
7.2	7	4.70	7.3	5	3.29	OGDEN	0.2	1	22.41	0.2	0	0.00
32.9	36	5.27	34.6	8	1.11	OKLAHOMA CITY	3.0	24	42.04	3.4	5	6.99
29.7	19	3.08	31.1	7	1.08	OMAHA	1.8	29	76.48	1.9	4	9.98
18.7	13	3.34	19.4	8	1.99	ORLANDO	3.8	45	57.57	3.6	8	10.57
80.1	19	1.14	86.6	16	0.89	PATERSON	3.1	15	23.51	3.7	6	7.86
12.1	11	4.39	11.8	4	1.63	PENSACOLA	2.4	26	52.37	2.8	12	21.02
19.5	12	2.97	20.2	10	2.38	PEORIA	0.6	2	14.83	0.7	0	0.00
260.7	126	2.29	272.7	42	1.10	PHILADELPHIA	46.2	270	28.12	52.3	96	8.85
44.3	58	6.31	44.6	25	2.70	PHOENIX	2.4	31	62.25	2.4	10	19.84
156.3	57	1.76	167.9	35	1.00	PITTSBURGH	10.8	69	30.65	12.0	20	8.03
9.5	3	1.52	10.2	1	0.47	PITTSFIELD	0.1	0	0.00	0.1	0	0.00
12.2	2	0.79	13.2	2	0.73	PORTLAND MAINE	0.1	0	0.00	0.1	0	0.00
53.5	33	2.97	57.6	11	0.92	PORTLAND OREG.	1.7	14	39.40	1.7	2	5.59
48.1	13	1.30	52.6	13	1.19	PROVIDENCE	1.0	2	9.84	1.1	1	4.48
7.2	0	0.00	7.3	2	1.32	PROVO	0.0	0	0.00	0.0	0	0.00
7.8	9	5.53	8.1	3	1.79	PUEBLO	0.2	1	26.49	0.2	0	0.00
9.2	4	2.08	9.6	5	2.51	RACINE	0.4	0	0.00	0.4	2	25.76
9.5	8	4.06	9.6	6	3.02	RALEIGH	2.9	30	65.90	3.2	7	10.68
19.1	9	2.27	20.5	8	1.88	READING	0.3	4	61.96	0.4	1	13.59
6.1	10	7.92	6.1	3	2.38	RENO	0.3	7	124.01	0.2	1	19.79
21.3	23	5.20	23.5	6	1.23	RICHMOND	7.1	43	28.97	8.2	9	5.28
9.7	8	3.98	10.6	6	2.72	ROANOKE	1.3	11	40.41	1.5	3	9.85
38.1	11	1.39	41.7	11	1.27	ROCHESTER	1.7	9	24.84	1.8	1	2.63
13.8	3	1.05	14.6	1	0.33	ROCKFORD	0.6	6	51.80	0.6	1	7.74
33.8	43	6.12	33.3	16	2.32	SACRAMENTO	2.9	21	34.31	2.6	4	7.47
11.6	6	2.50	12.1	5	2.00	SAGINAW	1.3	8	30.29	1.3	2	7.49
5.8	10	8.37	6.4	4	3.00	ST. JOSEPH	0.2	1	29.34	0.2	1	25.88
120.5	106	4.16	130.9	43	1.58	ST. LOUIS	18.2	177	46.91	22.1	53	11.57
25.3	13	2.48	26.3	7	1.28	SALT LAKE CITY	0.4	2	24.12	0.4	0	0.00
4.2	9	10.20	4.4	1	1.10	SAN ANGELO	0.2	1	23.56	0.2	0	0.00
44.4	89	9.65	44.7	26	2.80	SAN ANTONIO	3.3	24	34.85	3.5	5	6.86
54.5	53	4.68	53.9	23	2.06	SAN BERNARDINO	2.9	20	32.99	2.5	6	11.46
77.2	35	2.18	67.5	25	1.79	SAN DIEGO	4.7	13	13.27	3.8	5	6.32
177.4	128	3.48	181.3	72	1.91	SAN FRANCISCO	25.3	98	18.63	25.2	41	7.85
44.2	20	2.18	45.3	14	1.49	SAN JOSE	1.6	1	2.99	1.5	3	9.73
11.9	8	3.23	11.6	8	3.31	SANTA BARBARA	0.5	3	26.41	0.4	1	12.59
8.9	8	4.36	9.2	1	0.52	SAVANNAH	4.0	40	48.66	4.7	9	9.13
15.7	3	0.92	18.0	3	0.80	SCRANTON	0.1	0	0.00	0.1	0	0.00
74.3	54	3.50	75.8	25	1.59	SEATTLE	4.0	25	30.47	3.7	4	5.23
13.1	16	5.87	14.0	7	2.41	SHREVEPORT	5.5	68	59.75	6.7	17	12.30
6.9	1	0.70	7.5	3	1.93	SIOUX CITY	0.1	0	0.00	0.1	1	35.32
5.7	2	1.69	6.1	6	4.75	SIOUX FALLS	0.1	0	0.00	0.0	0	0.00
15.8	3	0.91	16.1	5	1.49	SOUTH BEND	0.9	7	37.67	1.0	0	0.00
18.7	13	3.35	19.3	7	1.74	SPOKANE	0.4	1	11.53	0.4	0	0.00
9.2	3	1.57	10.5	1	0.46	SPRINGFIELD I.	0.4	2	26.22	0.4	1	10.86
8.4	4	2.28	9.2	3	1.56	SPRINGFIELD MO	0.2	1	23.51	0.2	0	0.00
8.0	6	3.62	8.7	2	1.11	SPRINGFIELD O.	0.8	4	24.93	0.9	1	5.35
35.7	2	0.27	38.1	10	1.27	SPRINGFIELD MA	1.1	0	0.00	1.1	1	4.23
11.2	6	2.58	11.7	5	2.05	STEUBENVILLE	0.5	0	0.00	0.5	2	19.29
16.3	20	5.91	15.7	6	1.84	STOCKTON	1.9	10	25.07	1.4	2	6.76
37.9	13	1.65	39.8	6	0.73	SYRACUSE	1.1	7	32.03	1.1	0	0.00
22.8	15	3.18	20.9	2	0.46	TACOMA	1.4	2	6.93	1.1	3	13.73
44.7	46	4.95	49.2	17	1.66	TAMPA	6.0	67	53.90	6.5	29	21.59
7.0	3	2.07	7.6	3	1.91	TERRE HAUTE	0.4	2	27.02	0.3	0	0.00
4.7	14	14.36	5.0	2	1.92	TEXARKANA	1.3	13	48.85	1.5	4	12.60
28.1	16	2.74	29.9	9	1.45	TOLEDO	2.8	18	30.84	3.2	2	3.03
9.3	5	2.60	9.6	2	1.01	TOPEKA	0.7	8	55.42	0.7	0	0.00
17.1	3	0.84	17.5	6	1.65	TRENTON	2.5	7	13.26	2.6	2	3.77
17.4	22	6.10	19.0	8	2.15	TUCSON	1.1	11	46.14	1.1	5	21.79
26.4	30	5.48	28.6	9	1.52	TULSA	2.3	24	50.11	2.8	7	12.08
5.8	6	4.95	5.7	0	0.00	TUSCALOOSA	1.8	20	53.12	2.2	6	13.09
4.4	5	5.54	4.7	1	1.02	TYLER	1.5	11	36.48	1.6	7	20.68
22.4	5	1.08	23.4	0	0.00	UTICA	0.4	2	25.98	0.4	0	0.00
9.0	10	5.35	9.1	1	0.53	WACO	1.5	20	65.26	1.7	2	5.65
109.9	67	2.94	114.9	32	1.34	WASHINGTON	35.3	187	25.54	38.3	75	9.63
7.9	3	1.84	8.4	1	0.57	WATERLOO	0.3	4	59.16	0.3	1	14.02
11.8	8	3.26	12.8	6	2.25	W. PALM BEACH	4.1	42	49.57	3.5	12	16.35
12.7	5	1.89	13.6	1	0.36	WHEELING	0.3	4	62.38	0.3	0	0.00
22.7	9	1.91	23.6	10	2.04	WICHITA	1.4	12	40.03	1.6	3	9.24
9.2	9	4.72	8.5	3	1.70	WICHITA FALLS	0.7	5	36.84	0.7	2	14.81
23.6	6	1.23	26.7	7	1.26	WILKES-BARRE	0.1	0	0.00	0.1	0	0.00
22.8	8	1.69	23.8	9	1.82	WILMINGTON	3.1	18	28.00	3.2	11	16.41
10.4	5	2.31	11.2	2	0.86	WINSTON-SALEM	2.8	38	64.56	3.4	10	14.11
39.5	12	1.46	42.1	4	0.46	WORCESTER	0.3	0	0.00	0.3	0	0.00
16.2	4	1.19	17.1	3	0.84	YORK	0.3	2	28.44	0.4	0	0.00
32.2	20	2.99	33.8	11	1.57	YOUNGSTOWN	3.2	28	42.17	3.4	10	14.32
7074.8	5215	3.55	7431.9	2300	1.49	TOTAL 201 SMSA	889.2	6882	37.28	984.1	2019	9.88

ALL AGE STANDARD RATE = 4.82

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

	ABILENE TEX	AKRON OHIO	ALBANY GA	ALBANY NY	ALBUQUER N MEX	ALLENTWN PA-NJ	ALTOONA PA	AMARILLO TEX	ANN ARBR MICH	ASHEVILL NC
MALE WHITE										
BIRTHS	1,490	5,622	796	6,882	4,148	4,920	1,412	1,984	1,958	1,246
0-4	6,948	27,672	3,678	33,913	18,583	24,719	6,903	8,955	9,340	5,675
5-14	10,985	48,820	5,329	59,140	28,868	43,733	13,084	14,052	13,956	11,408
15-24	10,287	25,676	4,302	36,147	18,449	29,631	7,563	14,185	17,069	7,196
25-34	8,189	30,310	4,419	36,496	18,451	29,952	7,243	10,949	12,500	6,895
35-44	7,275	33,003	3,679	42,199	17,721	35,144	8,640	9,529	9,543	7,714
45-54	5,725	26,122	2,092	38,648	11,821	30,360	7,758	6,813	7,336	6,690
55-64	3,916	21,565	1,013	31,135	6,756	22,064	6,746	4,634	5,191	5,017
65-74	2,507	13,811	577	21,226	3,966	15,930	4,872	2,396	3,222	3,516
75-84	1,078	4,203	208	8,215	1,317	5,967	2,085	842	1,262	1,417
85+	227	631	34	1,441	222	961	355	162	250	261
TOTAL	57,137	231,813	25,331	308,560	126,154	238,261	65,249	72,517	79,667	55,789
65+	3,812	18,645	819	30,882	5,505	22,838	7,312	3,400	4,734	5,194
FEMALE WHITE										
BIRTHS	1,488	5,264	768	6,660	3,862	4,494	1,336	1,912	2,016	1,156
0-4	6,729	26,717	3,548	32,604	17,643	23,684	6,476	8,498	9,080	5,400
5-14	10,616	46,968	5,174	57,171	28,215	42,752	12,806	13,765	13,189	10,914
15-24	9,863	28,869	3,756	40,082	19,037	30,390	8,865	10,704	16,934	8,257
25-34	7,927	31,251	4,139	39,572	18,708	32,199	7,967	10,671	11,302	7,800
35-44	7,106	34,869	3,412	45,795	17,813	37,529	9,520	9,150	9,603	8,367
45-54	5,736	27,440	1,960	41,411	12,089	31,127	8,470	7,056	7,389	7,280
55-64	4,498	22,240	1,202	33,778	7,250	23,822	7,577	4,870	5,659	5,578
65-74	3,031	14,793	773	20,478	4,510	18,524	5,817	2,881	3,969	4,300
75-84	1,543	5,783	337	12,062	1,689	8,039	2,788	1,244	2,016	1,836
85+	322	1,159	50	2,631	340	1,684	560	278	535	449
TOTAL	57,371	260,089	24,351	331,564	127,294	249,750	70,844	68,917	79,676	60,161
65+	4,896	21,735	1,160	41,151	6,539	28,247	9,165	4,403	6,520	6,585
MALE NON-WHITE										
BIRTHS	90	638	462	336	256	88	14	136	178	168
0-4	424	3,093	2,083	1,343	779	329	78	621	820	818
5-14	616	4,988	3,111	1,905	1,000	399	134	800	1,295	1,475
15-24	585	2,591	1,835	981	757	274	82	1,077	1,103	777
25-34	467	2,680	1,401	1,212	759	298	61	576	1,325	666
35-44	292	2,667	1,159	1,063	494	241	53	420	952	907
45-54	250	1,986	1,021	845	288	208	59	373	690	790
55-64	172	1,488	660	601	185	190	55	219	399	689
65-74	103	660	376	287	77	87	35	112	201	437
75-84	40	170	195	91	45	32	13	26	64	134
85+	9	35	46	23	4	2	1	7	9	27
TOTAL	2,953	20,358	11,887	8,351	4,388	2,060	571	4,231	6,858	6,720
65+	152	865	617	401	126	121	49	145	274	598
FEMALE NON-WHITE										
BIRTHS	112	606	434	290	222	56	6	154	192	144
0-4	427	3,086	1,992	1,339	749	295	86	596	775	744
5-14	650	5,093	3,340	1,944	935	431	114	862	1,278	1,496
15-24	479	2,908	2,262	1,317	851	310	68	503	1,044	883
25-34	451	3,101	1,802	1,428	784	309	83	630	1,003	852
35-44	294	2,914	1,452	1,190	487	297	67	498	873	957
45-54	275	1,944	1,322	839	272	198	73	362	593	980
55-64	188	1,337	903	537	170	161	63	233	372	803
65-74	96	674	686	270	75	82	33	106	208	474
75-84	43	203	297	140	30	24	16	28	78	162
85+	13	49	55	24	10	10	3	10	15	53
TOTAL	2,916	21,309	14,111	9,028	4,363	2,117	606	3,828	6,236	7,406
65+	152	926	1,038	434	115	116	52	144	301	689

	ATLANTA GA	ATLAN.CY NJ	AUGUSTA GA-SC	AUSTIN TEX	BAKRSFLD CALIF	BALTIMOR MD	BATON RG LA	BAY CITY MICH	BEAUMONT TEX	BILLINGS MONT
MALE WHITE										
BIRTHS	9,832	1,188	1,822	2,364	3,602	15,312	2,146	1,484	3,062	964
0-4	45,929	6,214	8,875	10,702	16,703	73,444	10,206	7,167	14,796	5,053
5-14	78,543	11,234	15,949	17,365	30,895	126,658	17,106	11,822	25,907	8,739
15-24	52,252	6,491	16,961	19,480	18,747	87,255	12,008	6,803	15,811	4,527
25-34	58,602	6,946	11,305	13,069	17,902	90,539	11,400	6,283	17,030	5,017
35-44	56,367	8,513	10,863	11,069	18,971	99,792	11,119	6,701	16,936	5,537
45-54	42,260	7,971	7,909	9,247	15,460	80,361	7,886	6,025	14,234	4,179
55-64	26,453	7,223	4,502	6,114	10,058	57,008	4,696	3,820	9,584	2,616
65-74	14,770	6,125	2,532	3,918	5,834	33,616	2,199	2,625	4,557	1,808
75-84	5,429	2,207	837	1,647	2,266	11,565	643	1,070	1,563	831
85+	911	386	128	324	372	1,928	148	189	255	127
TOTAL	381,516	63,310	79,061	92,875	137,208	662,146	77,411	52,505	120,671	38,436
65+	21,110	8,718	3,497	5,889	8,472	47,089	2,990	3,884	6,375	2,766
FEMALE WHITE										
BIRTHS	8,900	1,112	1,656	2,408	3,344	14,336	2,056	1,400	2,666	1,030
0-4	43,833	6,002	8,468	10,101	16,211	71,092	9,798	6,765	13,986	4,816
5-14	75,558	10,622	14,858	16,595	29,458	121,890	16,402	11,377	25,006	8,737
15-24	58,161	6,986	10,600	17,499	18,977	87,432	12,989	7,493	16,760	5,601
25-34	60,192	7,518	11,425	11,913	18,377	90,813	11,916	6,671	17,828	5,468
35-44	57,624	9,587	10,269	11,199	18,717	102,711	11,211	7,185	17,247	5,440
45-54	44,379	9,019	7,983	9,917	14,424	80,155	7,888	5,622	14,056	4,083
55-64	31,453	8,489	5,035	6,947	9,307	61,456	4,910	3,902	9,230	2,642
65-74	20,728	7,308	3,319	4,905	6,023	43,614	2,873	3,138	5,137	1,966
75-84	9,596	2,896	1,460	2,413	2,403	18,950	1,229	1,405	2,226	878
85+	1,979	656	305	588	472	3,941	270	279	470	164
TOTAL	403,503	69,083	73,122	92,037	134,369	682,054	79,486	53,837	121,944	39,793
65+	32,303	10,860	5,084	7,906	8,898	66,505	4,372	4,822	7,833	3,008
MALE NON-WHITE										
BIRTHS	3,724	390	952	410	364	6,354	1,174	8	996	22
0-4	16,154	1,660	4,466	1,747	1,514	27,059	5,133	35	4,551	66
5-14	25,108	2,729	8,036	2,981	2,452	42,397	8,946	78	7,520	81
15-24	16,168	1,663	4,803	1,988	1,347	25,115	6,001	44	3,903	71
25-34	14,573	1,592	3,398	1,663	1,152	26,090	3,962	44	4,025	48
35-44	13,016	1,644	3,461	1,351	1,146	25,724	3,748	48	3,800	48
45-54	11,016	1,396	2,881	1,328	1,390	19,226	3,089	31	3,059	36
55-64	6,708	1,416	1,713	881	939	12,911	2,004	26	2,121	27
65-74	3,858	970	1,273	644	553	6,276	1,305	11	1,257	26
75-84	1,275	366	458	257	167	1,982	552	7	387	7
85+	273	58	104	76	26	351	135	1	80	1
TOTAL	108,149	13,494	30,573	12,916	10,686	187,131	34,855	325	30,703	409
65+	5,406	1,394	1,835	977	746	8,609	1,992	19	1,724	34
FEMALE NON-WHITE										
BIRTHS	3,596	382	968	354	382	6,322	1,128	6	1,072	18
0-4	16,657	1,703	4,495	1,662	1,483	27,580	5,161	58	4,580	59
5-14	25,774	2,650	8,035	2,862	2,488	43,149	8,589	89	7,592	67
15-24	18,398	1,860	4,884	2,152	1,341	27,926	6,999	50	4,540	73
25-34	17,541	1,948	4,100	1,913	1,263	28,657	4,826	54	4,651	52
35-44	15,963	1,935	4,036	1,686	1,154	26,885	4,397	47	4,281	51
45-54	13,321	1,782	3,411	1,524	967	19,239	3,510	41	3,240	37
55-64	8,776	1,539	2,337	1,208	601	12,517	2,305	19	2,079	19
65-74	5,270	1,076	1,812	843	303	6,757	1,717	12	1,282	13
75-84	1,848	423	627	351	100	2,415	635	4	368	7
85+	492	77	146	107	21	569	171	1	85	2
TOTAL	124,020	14,993	33,883	14,308	9,721	195,692	38,308	375	32,698	380
65+	7,610	1,576	2,585	1,301	426	9,761	2,523	17	1,735	22

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

	BINGHMTN NY	BIRMNGHM ALA	BOSTON MASS	BRDGPORT CONN	BROCKTON MASS	BROWNSVL TEX	BUFFALO NY	CANTON OHIO	CEDR.RAP IOWA	CHAMPAGN ILL
MALE WHITE										
BIRTHS	2,482	4,700	36,390	6,386	2,894	2,846	14,262	3,748	1,830	1,448
0-4	12,235	22,913	162,262	32,463	14,576	11,702	69,872	18,344	8,561	7,625
5-14	20,427	40,827	273,127	56,011	24,429	19,364	116,806	32,630	13,235	10,162
15-24	11,698	25,003	164,319	32,401	13,264	11,578	68,873	18,679	8,493	10,743
25-34	13,181	28,262	186,202	36,497	14,406	9,088	76,554	19,631	9,107	10,209
35-44	14,067	28,928	192,390	46,946	16,442	7,866	85,813	22,413	8,624	6,908
45-54	12,317	23,581	169,030	40,587	13,759	6,275	72,262	17,802	6,993	4,873
55-64	9,066	16,316	137,938	27,568	10,070	4,268	54,661	13,881	5,382	3,179
65-74	6,432	9,455	93,938	18,261	7,857	2,471	36,632	9,887	3,773	2,209
75-84	2,208	3,739	37,084	6,660	3,298	1,064	12,593	3,823	1,668	1,002
85+	449	602	6,816	1,209	687	201	2,060	727	328	220
TOTAL	102,730	189,826	1,456,662	301,603	118,888	73,657	596,126	157,813	66,184	66,326
65+	9,089	13,796	137,838	26,130	11,842	3,736	51,285	14,437	5,769	3,431
FEMALE WHITE										
BIRTHS	2,452	4,352	34,986	6,294	2,786	2,718	13,468	3,958	1,792	1,300
0-4	11,986	21,981	156,120	31,414	14,136	11,038	67,743	17,762	7,975	7,285
5-14	19,639	39,187	261,965	56,329	23,249	19,373	112,572	31,606	12,781	9,830
15-24	13,431	30,072	194,273	35,425	14,634	11,641	76,155	21,177	10,238	12,125
25-34	13,806	30,422	189,864	39,781	15,096	10,544	79,442	20,936	9,075	6,444
35-44	15,089	30,460	207,635	48,190	16,721	8,383	89,942	23,391	8,673	6,730
45-54	12,832	25,243	181,209	41,061	13,801	6,586	73,989	18,070	7,105	5,002
55-64	10,399	19,608	163,262	29,602	11,162	4,368	58,234	14,340	5,918	3,968
65-74	7,462	12,595	124,161	22,161	9,691	2,776	42,667	10,712	4,601	3,024
75-84	3,383	5,425	58,127	9,466	4,858	1,238	17,233	5,121	2,445	1,542
85+	818	1,107	14,075	2,155	1,214	273	3,617	1,103	571	344
TOTAL	108,444	215,209	1,565,651	317,524	124,562	76,220	621,594	164,025	69,383	58,274
65+	11,663	19,127	196,363	33,782	15,763	4,287	63,517	16,936	7,617	4,910
MALE NON-WHITE										
BIRTHS	22	3,002	1,944	548	82	10	1,592	278	20	102
0-4	84	14,926	6,211	2,605	366	73	7,129	1,360	83	620
5-14	149	26,452	8,772	3,316	554	111	9,655	2,264	145	719
15-24	100	14,226	6,363	2,169	396	130	5,339	1,152	93	930
25-34	107	10,169	7,304	2,811	303	90	6,778	1,175	91	866
35-44	79	10,800	6,433	2,372	339	69	6,164	1,121	79	446
45-54	99	11,034	5,986	1,584	208	68	4,261	876	46	266
55-64	78	8,984	3,028	905	176	47	2,960	714	42	109
65-74	43	5,168	1,810	430	198	24	1,203	337	35	96
75-84	13	1,621	762	135	84	11	316	104	11	42
85+	5	308	137	38	18	3	63	19	3	8
TOTAL	763	103,266	49,786	16,452	2,622	626	43,868	9,122	628	4,162
65+	61	7,097	2,689	603	300	38	1,582	460	49	146
FEMALE NON-WHITE										
BIRTHS	24	3,110	1,492	600	102	22	1,522	250	30	108
0-4	93	15,129	6,279	2,557	347	95	7,046	1,328	94	560
5-14	129	26,713	9,041	3,307	519	114	9,965	2,191	160	691
15-24	91	15,865	6,949	2,708	366	93	6,431	1,327	90	677
25-34	111	13,794	7,541	2,907	328	88	7,686	1,306	118	699
35-44	95	13,973	6,368	2,666	316	70	6,201	1,257	76	420
45-54	87	12,900	4,137	1,932	199	71	4,025	926	67	279
55-64	75	9,410	3,002	1,044	126	40	2,484	613	39	176
65-74	38	6,088	2,044	488	115	25	1,129	308	38	126
75-84	16	2,117	901	181	48	7	350	108	18	45
85+	2	524	201	40	13	0	76	21	4	3
TOTAL	724	116,563	48,059	18,010	2,377	595	45,369	9,385	704	3,674
65+	56	8,729	3,146	709	176	32	1,555	437	60	174

	CHARLSTN SC	CHARLSTN W VA	CHARLOTT NC	CHTTANGA TENN-GA	CHICAGO ILL	CINCINAT OHIO-KY	CLEVLAND OHIO	COLO.SPR COLO	COLUMBIA SC	COLUMBUS GA-ALA
MALE WHITE										
BIRTHS	2,104	2,876	2,494	2,672	60,926	12,070	16,996	1,202	2,082	2,318
0-4	9,027	13,604	12,175	12,707	280,282	55,967	84,461	8,431	9,819	9,954
5-14	13,802	25,816	20,622	23,694	478,803	89,408	145,093	14,126	17,058	15,066
15-24	14,565	15,133	12,377	15,117	313,921	55,270	84,494	13,363	25,617	18,826
25-34	10,994	15,026	15,509	15,673	342,476	59,620	95,101	9,327	12,843	12,668
35-44	9,619	16,317	15,933	15,105	377,957	58,561	111,109	9,588	12,850	10,428
45-54	6,231	13,463	10,853	13,086	333,553	52,488	96,997	6,418	9,119	6,735
55-64	3,813	8,840	6,712	8,808	259,372	41,457	67,466	4,216	5,495	3,837
65-74	1,982	5,120	3,461	5,398	158,849	26,507	46,918	2,755	3,208	2,010
75-84	633	1,988	1,302	2,095	52,364	10,437	16,096	1,306	1,219	725
85+	109	362	189	387	7,716	1,846	2,316	265	169	97
TOTAL	70,779	119,667	98,617	112,360	2,610,903	451,561	748,051	69,795	97,387	80,344
65+	2,724	7,470	4,952	7,880	218,929	38,790	65,330	4,326	4,596	2,832
FEMALE WHITE										
BIRTHS	1,988	2,664	2,262	2,580	58,150	11,494	16,278	1,240	1,930	2,076
0-4	8,626	13,169	11,762	12,437	270,844	54,282	80,711	8,212	9,285	9,633
5-14	13,251	25,283	20,313	22,788	461,943	86,851	140,291	13,484	16,644	14,760
15-24	10,570	17,549	14,969	17,188	332,468	63,283	95,575	9,328	13,991	11,574
25-34	9,990	17,044	17,046	17,036	360,230	62,078	98,715	9,394	12,540	11,011
35-44	9,301	17,684	15,829	16,688	389,236	63,948	118,168	9,670	12,584	10,056
45-54	6,592	13,721	11,628	14,073	347,233	57,876	99,161	6,712	9,521	7,008
55-64	4,145	9,230	7,831	10,286	266,494	46,621	73,963	4,855	6,473	4,495
65-74	2,699	5,836	4,869	6,908	186,269	35,285	55,057	3,811	4,403	2,992
75-84	1,157	2,509	2,247	3,031	71,935	16,911	22,009	1,963	1,909	1,211
85+	253	486	477	584	14,357	3,710	4,168	525	453	254
TOTAL	68,674	122,911	106,967	121,019	2,680,009	490,865	787,778	67,914	87,003	73,783
65+	4,109	8,831	7,593	10,523	272,561	55,906	81,234	6,299	6,765	4,457
MALE NON-WHITE										
BIRTHS	1,376	192	1,082	766	15,834	2,078	3,922	40	1,186	1,000
0-4	6,280	882	4,932	3,196	70,823	9,054	18,732	922	5,278	4,458
5-14	11,280	1,503	7,953	5,750	95,606	13,183	27,365	560	9,220	7,725
15-24	5,901	1,036	4,808	2,798	55,401	7,315	14,012	750	7,032	9,675
25-34	3,628	596	3,784	2,407	67,277	7,690	19,150	656	4,538	3,908
35-44	4,102	734	3,889	2,570	60,867	7,635	18,670	344	4,328	3,329
45-54	3,220	779	3,007	2,731	44,167	6,961	12,996	168	3,056	2,651
55-64	1,760	710	1,822	2,072	31,392	5,348	8,919	89	1,871	1,509
65-74	1,047	462	974	1,155	14,709	2,842	4,470	54	1,322	975
75-84	266	169	319	365	4,478	953	1,282	22	422	316
85+	50	29	55	75	857	227	239	6	70	62
TOTAL	37,543	7,020	31,544	23,147	465,577	61,208	125,844	3,171	37,137	30,608
65+	1,363	660	1,348	1,595	20,044	4,022	5,991	82	1,814	1,353
FEMALE NON-WHITE										
BIRTHS	1,328	130	1,090	718	16,856	1,912	3,988	64	1,112	994
0-4	6,173	816	5,085	3,106	71,379	9,187	19,096	523	5,392	4,974
5-14	10,995	1,504	8,237	5,774	96,760	13,490	27,290	508	9,293	7,685
15-24	6,385	1,142	5,409	3,312	65,772	8,763	17,473	415	6,477	4,898
25-34	4,707	853	4,862	3,303	77,049	9,851	22,772	715	4,886	4,540
35-44	4,024	901	4,499	3,209	65,616	9,664	19,550	310	4,589	4,023
45-54	3,712	928	3,380	3,109	65,922	7,636	13,086	156	3,202	3,366
55-64	2,210	784	2,204	2,535	50,869	5,441	8,796	105	2,360	2,063
65-74	1,572	508	1,210	1,395	16,489	2,986	4,918	78	1,643	1,478
75-84	900	173	394	443	5,671	1,148	1,562	43	574	907
85+	122	28	113	117	1,297	222	383	11	125	116
TOTAL	41,380	7,727	39,409	26,663	476,426	68,210	134,922	2,844	38,501	33,290
65+	2,194	709	1,717	1,955	23,457	4,356	6,863	132	2,342	2,501

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

COLUMBUS OHIO	CORPUS C TEX	DALLAS TEX	DAVNPORT IA-ILL	DAYTON OHIO		DECATUR ILL	DENVER COLO	DES MOIN IOWA	DETROIT MICH	DUBUQUE IOWA
					MALE WHITE					
7,910	3,200	11,374	3,252	7,748	BIRTHS	1,286	11,334	3,300	39,156	1,232
37,535	15,242	53,749	15,452	38,321	0-4	6,427	54,670	15,106	197,531	5,352
57,001	26,344	92,285	26,482	65,441	5-14	11,185	90,303	25,031	326,744	8,172
42,932	14,879	57,997	15,792	37,887	15-24	6,380	58,670	15,414	176,967	5,950
45,161	13,830	66,115	16,004	43,325	25-34	7,082	61,752	16,216	207,817	4,681
39,970	13,205	65,312	16,916	44,865	35-44	7,319	61,117	16,304	229,051	4,570
29,876	10,312	51,440	15,640	33,045	45-54	6,162	45,922	13,376	183,570	3,843
22,008	6,278	34,288	11,756	22,768	55-64	4,770	31,851	10,428	144,766	2,936
13,485	3,238	19,973	8,032	14,123	65-74	3,179	21,156	7,138	88,011	2,130
5,513	1,144	7,114	3,297	5,606	75-84	1,408	8,798	2,908	24,832	1,024
1,030	186	1,336	574	1,069	85+	309	1,696	514	3,462	207
294,511	104,658	468,809	129,905	306,450	TOTAL	54,221	435,931	122,433	1,582,771	38,863
20,028	4,568	28,023	11,863	20,798	65+	4,896	31,646	10,560	116,305	3,361
					FEMALE WHITE					
7,668	3,062	10,722	3,136	7,512	BIRTHS	1,286	11,152	3,102	37,544	1,112
36,268	14,696	52,101	14,661	36,701	0-4	6,106	52,731	14,416	189,564	5,235
54,376	25,249	88,252	25,011	62,998	5-14	10,792	87,833	23,757	313,250	8,156
46,495	15,561	67,345	17,594	42,593	15-24	7,344	61,375	19,327	199,619	6,122
43,690	15,209	68,931	16,537	45,084	25-34	7,510	64,378	16,997	217,515	4,483
40,749	13,907	67,157	17,574	45,593	35-44	7,726	62,761	17,343	239,846	4,606
32,235	10,472	53,973	15,681	33,344	45-54	6,539	47,370	14,724	185,670	4,022
24,525	6,138	39,259	12,110	24,097	55-64	5,355	35,321	12,067	138,633	3,502
17,877	3,509	25,764	9,249	17,272	65-74	4,081	26,531	8,933	89,668	2,874
8,646	1,418	11,435	4,382	8,156	75-84	2,001	12,931	4,404	32,535	1,620
1,992	313	2,614	1,009	1,721	85+	496	3,066	1,019	6,301	414
306,850	106,522	476,811	133,808	317,557	TOTAL	57,950	454,207	132,983	1,612,601	41,034
28,515	5,240	39,793	14,640	27,147	65+	6,578	42,528	14,352	128,504	4,908
					MALE NON-WHITE					
1,336	162	2,980	116	1,056	BIRTHS	106	630	212	7,936	2
5,780	761	12,598	486	5,139	0-4	515	2,958	760	40,422	13
8,126	1,168	16,939	767	7,443	5-14	776	4,096	1,197	64,197	22
4,926	645	10,381	408	4,462	15-24	401	2,617	683	29,563	7
6,344	588	10,688	450	4,779	25-34	348	3,127	598	36,619	13
5,589	692	8,935	428	4,937	35-44	354	2,651	595	41,578	10
3,963	571	7,242	282	3,374	45-54	246	1,697	495	30,708	5
3,067	383	5,064	222	2,251	55-64	179	1,078	422	20,191	5
1,687	153	2,970	122	1,335	65-74	107	757	290	9,098	1
656	42	1,036	47	389	75-84	36	291	106	2,232	1
115	6	249	9	90	85+	10	49	25	400	0
40,253	5,009	76,102	3,201	34,199	TOTAL	2,970	19,319	5,171	274,988	77
2,458	201	4,455	178	1,814	65+	153	1,097	421	11,730	2
					FEMALE NON-WHITE					
1,282	178	2,848	126	1,140	BIRTHS	88	642	166	7,874	0
5,881	676	12,383	402	5,223	0-4	508	2,885	765	39,952	9
8,175	1,130	17,045	673	7,700	5-14	735	4,173	1,249	64,523	12
5,703	709	11,859	476	5,264	15-24	426	2,666	792	37,102	25
6,351	791	12,641	405	5,684	25-34	426	3,300	763	44,867	14
5,348	861	10,099	364	5,146	35-44	380	2,830	689	44,489	5
4,136	605	8,016	283	3,352	45-54	303	1,622	566	29,891	4
3,052	377	5,311	200	2,192	55-64	174	1,195	444	18,400	4
1,837	191	3,148	107	1,304	65-74	108	752	310	9,352	1
725	67	1,096	49	453	75-84	48	332	116	2,787	0
140	17	281	5	99	85+	8	81	38	637	0
41,348	5,384	81,879	3,144	36,417	TOTAL	3,116	19,836	5,728	292,000	74
2,702	235	4,525	161	1,896	65+	164	1,165	464	12,776	1

DULUTH MINN-WIS	DURHAM NC	EL PASO TEX	ERIE PA	EUGENE OREG		EVANSVIL IND-KY	FALL RIV MASS	FARGO ND-MINN	FLINT MICH	FT LAUDR FLA
					MALE WHITE					
3,118	846	6,406	2,810	2,018	BIRTHS	2,192	4,106	1,522	4,644	2,570
15,795	3,836	23,190	14,439	9,082	0-4	10,574	19,826	6,824	23,303	12,687
28,155	6,614	34,866	25,269	17,611	5-14	18,779	35,935	11,008	36,528	23,963
16,803	6,811	26,620	14,496	11,880	15-24	10,683	22,468	8,301	20,897	12,963
14,796	5,314	23,668	14,085	9,962	25-34	10,821	21,796	6,679	24,016	15,461
16,896	5,156	19,307	16,698	10,646	35-44	12,038	26,766	6,253	21,602	18,703
16,726	4,101	11,990	13,865	9,283	45-54	10,521	23,495	5,191	17,722	16,595
12,232	2,810	7,136	9,994	6,354	55-64	8,165	18,344	4,184	13,553	15,697
10,513	1,591	4,266	7,167	4,053	65-74	5,418	13,064	2,944	7,177	15,074
4,600	518	1,901	2,791	1,695	75-84	2,193	4,981	1,176	2,604	3,592
677	101	268	564	332	85+	426	915	193	462	441
137,193	36,942	152,332	119,286	80,878	TOTAL	89,418	187,596	52,753	167,859	135,136
15,790	2,210	6,035	10,442	6,080	65+	8,037	18,960	4,313	10,243	19,107
					FEMALE WHITE					
3,166	706	6,266	2,718	1,876	BIRTHS	2,024	3,800	1,406	4,412	2,532
15,196	3,680	22,614	13,762	8,984	0-4	9,962	18,993	6,576	22,466	12,208
27,251	6,520	34,300	23,918	16,697	5-14	18,142	34,876	10,467	34,868	22,878
17,825	6,571	23,404	15,983	12,601	15-24	12,117	24,764	9,055	23,182	16,170
14,678	5,483	23,937	15,320	10,185	25-34	12,076	23,561	6,647	24,138	17,361
17,472	5,332	18,975	17,914	10,876	35-44	13,193	29,474	6,055	22,017	20,586
16,568	4,735	12,241	13,979	8,710	45-54	11,277	25,435	5,157	17,872	19,112
12,611	3,357	8,759	10,636	6,159	55-64	9,258	21,856	4,331	12,883	19,548
10,452	2,165	5,328	8,251	4,292	65-74	6,956	17,065	3,035	7,902	13,417
4,217	966	2,113	3,731	1,907	75-84	3,145	7,895	1,296	3,386	3,567
835	214	452	797	434	85+	756	1,682	291	750	641
137,105	39,023	151,223	124,271	80,845	TOTAL	96,858	205,579	52,906	169,464	143,488
15,504	3,345	7,893	12,779	6,633	65+	10,853	26,642	4,620	12,038	17,625
					MALE NON-WHITE					
80	488	222	152	22	BIRTHS	200	112	12	714	1,170
197	2,074	837	561	77	0-4	820	346	39	3,479	4,982
288	3,979	998	927	106	5-14	1,348	643	54	4,333	6,544
187	2,768	1,428	413	164	15-24	743	338	23	2,038	3,964
170	1,881	1,267	450	164	25-34	581	362	29	3,338	4,010
114	1,991	683	490	68	35-44	653	319	19	2,486	3,263
106	1,872	333	319	39	45-54	730	195	11	1,533	2,352
65	1,213	157	216	16	55-64	581	183	7	839	1,225
35	644	101	85	10	65-74	472	194	1	344	501
19	200	90	29	3	75-84	163	59	0	81	197
7	42	10	5	1	85+	43	16	0	22	35
1,168	16,664	5,864	3,465	648	TOTAL	6,136	2,658	183	18,493	27,033
61	886	161	119	14	65+	678	269	1	447	693
					FEMALE NON-WHITE					
38	470	204	154	32	BIRTHS	214	96	20	724	1,214
211	2,263	864	690	93	0-4	841	348	44	3,408	5,271
295	4,068	975	938	96	5-14	1,311	571	42	4,385	6,700
182	3,363	629	476	129	15-24	827	305	34	2,557	4,435
157	2,458	1,087	560	102	25-34	818	397	38	3,256	4,485
118	2,446	349	490	54	35-44	916	362	18	2,230	3,384
74	2,220	247	311	23	45-54	844	193	4	1,352	2,163
45	1,458	157	140	12	55-64	660	176	2	782	1,099
35	774	103	97	6	65-74	469	153	4	372	349
8	262	36	29	4	75-84	171	61	0	126	195
7	74	6	9	0	85+	44	9	1	29	30
1,130	19,366	4,651	3,660	519	TOTAL	6,901	2,655	185	18,497	28,289
48	1,110	143	135	10	65+	684	223	5	527	772

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

	FT SMITH ARK	FT WAYNE IND	FT WORTH TEX	FRESNO CALIF	GADSDEN ALA	GALVESTN TEX	GARY IND	GRAND RP MICH	GREAT FL MONT	GREEN BY WIS
MALE WHITE										
BIRTHS	746	2,806	6,204	4,262	846	1,288	6,530	4,584	1,164	1,866
0-4	3,108	13,699	30,250	20,032	4,397	6,301	31,811	22,237	4,968	8,674
5-14	6,198	22,921	52,572	37,763	8,809	11,950	51,970	36,919	7,461	14,039
15-24	3,916	13,098	32,080	23,200	5,370	6,530	31,109	20,959	5,217	8,157
25-34	3,344	14,377	37,411	20,864	4,928	7,233	33,169	21,194	5,220	7,445
35-44	3,861	14,371	36,868	22,550	5,671	8,179	35,148	21,376	4,851	7,279
45-54	3,753	11,675	27,688	18,478	4,894	6,789	28,216	18,046	3,683	6,318
55-64	2,631	9,077	18,879	12,435	3,058	4,388	18,821	14,150	2,402	4,712
65-74	1,899	5,518	11,187	8,902	1,910	2,455	11,746	9,775	1,888	3,025
75-84	834	2,242	4,210	3,657	777	840	3,705	3,892	790	1,267
85+	180	372	774	600	128	113	535	681	129	228
TOTAL	29,724	107,350	251,419	168,481	39,942	54,778	246,228	169,227	36,609	61,144
65+	2,913	8,132	16,171	13,159	2,815	3,408	15,986	14,348	2,807	4,520
FEMALE WHITE										
BIRTHS	680	2,750	5,812	4,130	836	1,250	6,234	4,408	1,028	1,806
0-4	3,055	13,212	28,963	19,390	4,167	5,936	30,258	21,286	4,924	8,296
5-14	5,866	22,063	50,221	36,122	8,509	11,900	49,452	35,669	7,271	13,505
15-24	4,412	14,482	35,790	24,371	5,885	7,104	33,351	24,200	5,115	8,316
25-34	3,731	14,791	38,037	22,177	5,524	8,009	33,093	22,509	4,821	7,661
35-44	4,355	15,135	37,101	23,099	6,086	8,253	34,859	22,590	4,560	7,676
45-54	3,974	12,342	28,072	17,880	5,029	6,602	25,692	18,998	3,403	6,462
55-64	3,119	9,773	20,596	12,506	3,337	4,213	16,867	14,859	2,326	4,959
65-74	2,365	6,940	13,992	9,404	2,289	2,621	11,127	11,609	1,903	3,562
75-84	1,185	3,281	6,193	4,075	1,037	1,059	4,138	5,693	797	1,722
85+	247	702	1,395	875	197	222	759	1,211	130	307
TOTAL	32,309	112,721	260,360	169,809	42,040	55,519	239,596	178,624	35,250	62,462
65+	3,797	10,923	21,580	14,354	3,523	3,902	16,026	18,513	2,830	5,591
MALE NON-WHITE										
BIRTHS	60	252	1,050	416	216	446	1,472	290	60	12
0-4	330	1,130	4,695	1,980	1,041	2,089	7,080	1,286	178	100
5-14	576	1,465	6,709	3,307	1,940	3,611	10,601	1,864	160	180
15-24	260	798	3,741	1,750	983	1,735	4,937	932	193	228
25-34	177	877	3,798	1,507	769	1,669	5,764	1,010	143	87
35-44	202	705	3,553	1,904	804	1,930	5,501	909	61	56
45-54	209	432	2,931	1,609	742	1,599	4,016	662	62	52
55-64	191	299	2,186	1,162	495	1,213	2,937	448	13	47
65-74	151	156	1,326	735	269	837	1,299	220	16	25
75-84	52	38	426	418	108	172	390	93	7	15
85+	19	9	101	67	16	35	60	15	2	1
TOTAL	2,167	5,907	29,466	14,419	7,167	14,490	42,583	7,439	835	791
65+	222	201	1,853	1,220	393	844	1,749	328	25	41
FEMALE NON-WHITE										
BIRTHS	72	272	938	440	206	442	1,474	300	68	10
0-4	338	1,109	4,603	1,627	1,048	2,024	7,271	1,313	151	110
5-14	525	1,459	6,826	3,179	1,880	3,449	10,937	1,833	146	189
15-24	311	916	4,139	1,740	1,092	2,026	6,060	1,053	128	101
25-34	266	1,040	4,762	1,739	957	2,236	6,911	1,263	162	76
35-44	260	761	4,022	1,812	1,007	2,198	5,758	1,026	58	60
45-54	281	429	3,272	1,190	828	1,683	3,922	656	36	63
55-64	228	285	2,298	890	519	1,081	2,565	419	27	45
65-74	187	143	1,417	575	351	627	1,270	214	9	18
75-84	77	64	490	161	121	213	375	99	7	23
85+	16	12	145	33	28	40	92	21	2	2
TOTAL	2,489	6,218	31,970	13,146	7,831	15,577	45,141	7,897	724	685
65+	280	219	2,052	769	500	880	1,737	334	18	43

	GREENSBR NC	GREENVIL SC	HAMILTON OHIO	HARISBRG PA	HARTFORD CONN	HONOLULU HAWAII	HOUSTON TEX	HUNTNGTN WVA-KY-O	HUNTSVIL ALA	INDNAPLS IND
MALE WHITE										
BIRTHS	2,326	2,160	2,494	3,536	7,582	2,602	12,772	2,736	1,482	7,896
0-4	10,090	10,080	11,956	16,772	36,878	11,858	61,643	13,310	6,399	35,942
5-14	19,533	17,550	19,678	30,786	61,467	16,454	105,319	25,224	10,246	57,805
15-24	12,429	12,684	13,605	19,402	35,957	27,867	58,738	17,095	7,489	35,067
25-34	14,240	12,576	13,192	20,009	42,566	16,833	73,784	16,957	8,113	39,212
35-44	13,639	12,249	12,336	22,860	49,439	14,156	73,236	15,482	6,933	40,143
45-54	10,369	9,152	9,398	18,726	39,648	7,370	57,028	13,610	4,511	33,558
55-64	6,928	5,477	6,958	13,749	28,584	3,738	34,828	10,355	2,479	24,785
65-74	3,658	3,206	3,914	9,281	19,380	1,831	16,912	6,715	1,386	14,688
75-84	1,390	1,225	1,673	3,751	6,680	570	5,732	3,135	538	5,780
85+	211	168	348	665	1,168	100	995	596	93	1,088
TOTAL	93,367	84,367	93,056	156,001	321,767	100,757	488,215	120,479	48,185	288,068
65+	5,259	4,599	5,935	13,697	27,228	2,501	23,639	10,446	2,017	21,556
FEMALE WHITE										
BIRTHS	2,184	1,934	2,230	3,288	7,232	2,346	11,786	2,538	1,378	7,350
0-4	10,827	9,643	11,075	16,275	35,965	11,522	59,600	12,704	6,177	34,526
5-14	18,722	16,810	18,840	29,107	59,118	15,778	102,555	24,241	9,810	56,531
15-24	16,391	13,832	15,299	20,675	40,066	12,167	68,416	18,325	7,080	39,929
25-34	14,993	12,643	13,590	21,447	43,862	13,671	77,258	16,312	7,863	40,893
35-44	14,127	12,786	12,344	24,103	50,536	11,697	74,243	16,831	6,586	42,532
45-54	11,346	9,661	9,671	19,812	40,639	6,398	56,079	14,574	4,368	35,626
55-64	7,852	6,591	7,264	15,698	31,114	3,678	35,780	11,232	2,598	28,121
65-74	4,863	4,303	4,766	11,702	22,487	2,145	20,881	7,918	1,724	19,517
75-84	2,057	1,883	2,299	5,594	9,319	870	8,877	3,735	747	9,128
85+	441	324	560	1,276	2,165	178	1,781	806	145	1,967
TOTAL	101,617	88,456	95,508	165,779	335,271	78,104	505,470	126,678	47,098	308,770
65+	7,361	6,510	7,625	18,572	33,971	3,193	31,539	12,459	2,616	30,612
MALE NON-WHITE										
BIRTHS	792	580	186	400	520	4,910	4,526	92	424	1,828
0-4	3,553	2,645	779	1,650	2,686	21,791	19,334	402	1,568	7,371
5-14	5,590	4,466	1,297	2,592	3,375	37,786	27,285	750	2,555	10,156
15-24	4,489	2,909	656	1,933	2,121	24,765	15,224	494	2,027	5,633
25-34	3,161	2,030	655	1,377	3,003	22,796	17,921	368	1,115	6,349
35-44	3,014	1,975	578	1,360	2,451	23,228	15,790	408	1,000	6,267
45-54	2,434	1,637	479	1,064	1,368	17,907	11,773	420	879	5,028
55-64	1,567	993	345	782	798	10,521	7,678	398	595	3,743
65-74	813	627	194	462	391	5,040	3,911	296	454	2,308
75-84	246	195	76	172	122	2,091	1,263	99	170	890
85+	44	46	18	25	26	443	262	38	39	162
TOTAL	24,011	17,523	5,077	11,447	16,341	166,366	120,421	5,673	10,402	47,905
65+	1,103	868	288	659	539	7,574	5,416	433	663	3,360
FEMALE NON-WHITE										
BIRTHS	742	646	136	374	518	4,660	4,278	94	336	1,738
0-4	3,488	2,686	762	1,561	2,565	20,942	19,246	416	1,655	7,377
5-14	5,732	4,625	1,269	2,575	3,361	36,116	27,513	760	2,676	10,404
15-24	4,749	2,994	740	1,728	2,493	24,065	18,693	462	2,367	6,859
25-34	3,612	2,475	816	1,676	2,700	25,219	20,755	450	1,306	7,761
35-44	3,422	2,363	668	1,533	2,227	22,859	16,884	473	1,207	7,138
45-54	2,664	1,888	541	1,212	1,316	11,756	12,157	521	959	5,599
55-64	1,658	1,267	343	800	828	7,909	7,666	428	685	4,029
65-74	908	793	209	520	490	4,323	4,221	299	554	2,501
75-84	326	269	75	188	159	1,684	1,502	118	201	928
85+	72	70	12	91	37	309	415	23	53	234
TOTAL	26,625	19,430	5,435	11,844	16,176	155,182	129,052	3,950	11,663	52,824
65+	1,306	1,132	296	759	686	6,316	5,138	440	808	3,663

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

JACKSON MICH	JACKSON MISS	JKSNVILL FLA	JERSY CY NJ	JOHNSTWN PA		KALMAZOO MICH	KANS CTY MO-KANS	KENOSHA WIS	KNOXVILL TENN	LAKE CHA LA
					MALE WHITE					
1,560	1,470	4,646	5,880	2,984	BIRTHS	2,100	11,524	1,326	3,812	1,818
7,498	6,944	21,435	26,089	14,783	0-4	9,897	54,242	6,194	18,555	8,457
12,028	10,881	36,465	45,441	28,611	5-14	16,732	89,256	10,230	35,020	12,608
7,833	7,218	26,628	33,488	17,021	15-24	12,148	50,071	6,828	24,101	8,986
8,648	8,127	24,465	36,341	14,800	25-34	10,338	62,349	6,221	21,065	9,014
8,424	7,811	25,051	38,842	18,714	35-44	10,170	63,334	6,648	23,088	7,800
7,015	6,002	18,420	37,629	16,640	45-54	8,421	51,019	5,396	19,228	5,643
5,285	3,724	11,907	31,428	11,534	55-64	6,288	38,659	4,262	13,071	3,207
3,450	1,847	6,320	20,274	9,414	65-74	3,961	24,396	3,228	7,296	1,541
1,440	773	2,356	6,409	3,961	75-84	1,672	9,706	1,076	2,981	501
270	192	375	873	651	85+	324	1,957	164	527	106
62,800	53,379	173,419	276,884	136,238	TOTAL	79,973	445,075	50,248	164,960	57,093
5,160	2,872	9,260	27,546	14,026	65+	5,959	36,140	4,468	10,802	2,238
					FEMALE WHITE					
1,462	1,352	4,392	5,446	2,816	BIRTHS	1,958	10,988	1,392	3,740	1,626
7,321	6,252	20,706	25,020	14,385	0-4	9,917	51,622	5,915	17,409	8,163
12,302	10,782	35,027	43,313	27,820	5-14	16,058	86,109	9,749	33,810	12,323
8,017	9,086	24,661	35,466	18,203	15-24	13,482	59,529	6,221	26,127	9,053
7,681	9,110	25,079	36,161	16,710	25-34	10,660	65,402	6,095	23,854	8,790
7,090	8,256	25,431	42,966	20,048	35-44	10,721	65,608	6,708	25,108	7,485
6,530	6,520	18,701	40,769	16,490	45-54	8,646	54,425	5,401	20,185	5,336
5,286	4,307	12,690	33,769	12,207	55-64	6,706	43,971	4,361	14,322	3,144
3,037	2,763	8,207	23,714	9,663	65-74	4,957	31,220	3,228	5,451	1,840
2,054	1,358	3,723	8,674	4,191	75-84	2,373	14,603	1,273	4,101	823
483	308	760	1,557	853	85+	542	3,610	236	892	183
61,709	58,826	179,615	291,479	140,767	TOTAL	83,662	476,079	48,277	175,348	57,147
6,474	4,423	12,690	33,925	14,707	65+	7,872	49,523	4,737	14,444	2,846
					MALE NON-WHITE					
86	1,508	1,736	872	72	BIRTHS	106	2,314	26	378	578
401	5,810	7,702	3,372	247	0-4	491	8,916	100	1,744	2,511
574	9,303	11,490	4,417	401	5-14	736	11,796	117	2,878	3,758
603	5,720	6,816	2,879	234	15-24	435	6,346	86	1,749	2,339
1,989	3,556	5,968	3,126	175	25-34	403	6,898	94	1,315	1,967
979	3,210	6,243	2,593	199	35-44	345	7,009	84	1,549	1,620
542	3,174	5,605	1,766	213	45-54	268	5,910	36	1,616	1,212
300	2,190	3,685	1,303	178	55-64	154	4,822	26	1,102	777
112	1,521	1,965	530	95	65-74	102	3,307	10	668	523
30	555	969	160	22	75-84	46	1,207	2	239	189
11	133	190	40	6	85+	9	219	1	91	46
4,036	35,226	50,368	20,103	1,860	TOTAL	2,987	56,519	554	12,011	14,928
162	2,209	2,764	729	123	65+	157	4,823	13	958	764
					FEMALE NON-WHITE					
76	1,390	1,736	910	56	BIRTHS	102	1,946	28	368	604
374	5,938	7,782	3,305	212	0-4	482	8,944	111	1,775	2,927
603	9,483	12,009	4,625	446	5-14	716	12,006	122	2,975	3,807
342	6,536	7,562	3,557	277	15-24	498	7,699	77	2,093	2,390
339	4,823	7,266	3,795	252	25-34	470	8,474	106	1,751	2,226
306	4,122	7,062	2,854	250	35-44	354	8,195	91	2,034	1,691
261	3,684	6,209	1,948	203	45-54	246	6,234	31	1,798	1,249
172	2,532	4,109	1,308	137	55-64	165	5,167	21	1,242	767
81	1,640	2,449	694	79	65-74	91	3,484	14	808	540
44	671	821	215	33	75-84	45	1,350	4	307	194
7	205	187	67	4	85+	13	306	1	78	47
2,529	39,614	56,030	22,318	1,888	TOTAL	3,090	61,820	536	14,861	15,467
132	2,516	3,457	886	116	65+	149	5,140	19	1,193	781

LANCASTE PA	LANSING MICH	LAREDO TEX	LAS VEGS NEV	LAWTON OKLA		LEXINGTN KY	LIMA OHIO	LINCOLN NEBR	LITL ROC ARK	LORAIN OHIO
					MALE WHITE					
3,266	3,802	1,392	1,328	1,302	BIRTHS	1,422	1,156	2,214	2,366	2,658
15,404	16,290	4,819	6,807	5,134	0-4	6,319	5,763	9,216	10,643	13,613
26,002	20,935	7,012	11,015	7,213	5-14	10,086	10,200	12,946	17,869	22,636
17,980	23,776	4,898	7,673	14,583	15-24	8,816	9,507	13,450	12,707	17,261
17,206	19,108	3,687	8,694	6,370	25-34	8,072	5,865	11,165	12,967	15,949
17,408	17,330	3,078	8,444	5,069	35-44	7,783	6,453	9,170	13,558	14,897
14,894	14,300	2,604	7,962	3,298	45-54	5,820	5,255	7,040	10,751	10,976
11,435	10,782	2,020	5,045	1,769	55-64	4,011	4,058	5,729	7,512	7,020
7,504	6,784	1,303	2,224	1,099	65-74	2,659	2,763	4,110	4,963	4,764
3,523	2,911	478	571	472	75-84	1,117	1,229	1,885	1,821	1,938
732	546	81	87	115	85+	201	258	371	360	317
133,157	163,812	30,961	58,462	45,102	TOTAL	54,884	47,357	75,082	93,111	102,371
11,759	10,241	1,862	2,882	1,686	65+	3,977	4,246	6,366	7,124	7,019
					FEMALE WHITE					
3,010	3,750	1,302	1,450	1,206	BIRTHS	1,250	1,156	1,982	2,366	2,468
15,149	17,603	4,731	6,717	4,935	0-4	5,943	5,466	8,839	10,308	13,224
25,887	28,934	7,783	10,568	6,881	5-14	9,901	9,575	12,562	17,466	21,762
19,425	24,205	5,147	7,364	6,038	15-24	9,366	6,420	12,963	13,881	13,764
17,907	18,905	4,473	8,515	5,507	25-34	8,056	6,013	10,118	13,718	14,081
18,690	18,059	3,701	9,263	4,640	35-44	7,521	6,380	8,903	13,618	14,470
15,980	14,703	3,210	6,776	2,976	45-54	6,016	5,243	7,736	11,299	10,289
12,794	11,392	2,362	3,773	1,022	55-64	4,546	4,310	6,819	8,420	6,946
9,672	7,946	1,330	1,779	1,354	65-74	3,354	3,357	5,472	5,712	5,255
5,076	4,006	640	615	630	75-84	1,733	1,631	2,820	2,693	2,367
1,365	919	139	113	136	85+	386	357	694	621	493
161,474	168,702	33,949	55,463	35,019	TOTAL	56,822	48,961	76,904	97,666	102,654
16,113	12,871	2,318	2,507	2,120	65+	5,473	5,345	8,986	9,016	8,115
					MALE NON-WHITE					
44	144	16	240	250	BIRTHS	300	110	60	930	246
276	674	30	1,140	907	0-4	1,264	614	252	3,917	1,041
385	930	16	1,313	1,174	5-14	1,856	902	260	5,970	1,467
266	732	60	941	1,468	15-24	1,176	443	484	3,412	729
220	760	35	1,013	927	25-34	1,307	514	445	2,387	906
242	487	11	763	648	35-44	1,246	570	219	2,440	847
173	382	4	551	343	45-54	1,075	379	129	2,385	566
140	291	4	335	175	55-64	860	249	60	2,025	384
90	100	0	123	107	65-74	682	101	57	1,555	199
30	33	1	30	48	75-84	264	42	18	606	76
7	8	0	6	11	85+	48	7	6	143	16
1,832	4,336	165	6,145	5,808	TOTAL	9,868	3,817	1,926	24,890	6,230
127	141	5	159	166	65+	994	150	81	2,304	294
					FEMALE NON-WHITE					
46	148	10	246	268	BIRTHS	306	128	72	912	200
309	674	30	1,112	884	0-4	1,269	589	230	3,745	1,043
430	878	21	1,269	1,071	5-14	1,840	862	232	5,844	1,489
236	710	20	934	811	15-24	1,272	515	233	3,870	897
267	673	21	1,067	861	25-34	1,355	528	262	2,973	907
250	500	9	862	543	35-44	1,332	441	135	3,116	775
161	343	1	462	323	45-54	1,101	295	105	2,887	515
143	186	2	261	201	55-64	972	168	67	2,383	328
81	101	2	125	113	65-74	754	102	35	1,720	199
34	24	0	19	53	75-84	277	46	17	635	70
5	10	1	5	14	85+	70	10	4	180	22
1,880	4,089	116	5,806	4,874	TOTAL	10,332	3,956	1,360	27,353	6,245
120	135	3	149	180	65+	1,101	158	76	2,535	291

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

	LOS ANGL CALIF	LOUISVIL KY-IND	LUBBOCK TEX	LYNCHBRG VA	MACON GA	MADISON WIS	MANCHSTR NH	MEMPHIS TENN	MIAMI FLA	MIDLAND TEX
MALE WHITE										
BIRTHS	69,564	8,356	2,212	964	1,590	3,224	2,076	4,672	7,430	812
0-4	335,167	39,327	9,837	4,547	7,594	14,127	9,735	22,614	36,348	4,390
5-14	578,979	66,569	15,132	8,181	13,090	21,049	17,570	38,701	67,690	7,250
15-24	369,335	37,356	13,403	5,554	8,163	18,767	10,020	30,372	42,399	3,218
25-34	420,434	42,708	10,868	5,087	9,190	15,602	10,196	28,528	48,635	3,630
35-44	454,246	43,242	8,355	5,689	9,244	13,088	11,783	28,003	58,799	4,779
45-54	358,332	36,226	6,862	4,939	6,443	10,781	9,899	20,739	50,705	2,033
55-64	251,017	24,785	4,436	3,235	3,788	7,894	7,065	13,679	40,469	1,581
65-74	160,011	14,766	2,238	2,141	2,048	5,357	5,740	8,005	31,699	526
75-84	62,901	5,956	849	952	817	2,147	2,117	3,010	10,423	190
85+	10,879	1,133	163	178	96	426	389	498	1,446	69
TOTAL	3,000,895	310,044	72,123	41,413	60,473	108,736	85,312	194,239	388,613	30,306
65+	233,385	21,831	3,250	3,281	2,961	7,928	8,246	11,513	43,568	725
FEMALE WHITE										
BIRTHS	66,242	7,812	2,116	908	1,462	3,002	2,106	4,306	6,946	820
0-4	322,688	37,080	9,612	4,264	7,261	13,348	9,579	21,690	34,488	4,417
5-14	561,377	64,533	14,441	7,856	12,603	20,091	16,879	37,921	65,139	7,066
15-24	386,068	43,410	13,421	7,522	9,874	19,668	10,905	28,937	45,382	4,144
25-34	419,062	45,394	10,123	6,076	9,288	14,640	10,946	30,537	53,312	5,759
35-44	460,760	44,525	8,933	6,075	9,276	13,067	12,608	29,230	63,212	4,618
45-54	368,859	36,350	6,918	5,217	6,600	10,772	10,839	22,446	54,127	2,857
55-64	283,365	27,705	4,417	3,907	4,678	8,723	9,402	16,085	45,425	1,440
65-74	216,357	19,586	2,749	2,921	2,974	6,465	7,248	11,136	33,261	655
75-84	100,766	9,596	1,231	1,430	1,359	3,109	3,215	5,243	11,198	273
85+	22,023	2,235	236	337	249	721	776	1,175	1,897	69
TOTAL	3,167,929	331,312	71,679	45,605	63,962	110,606	92,395	204,698	407,461	31,099
65+	339,146	31,419	4,216	4,688	4,582	10,295	11,237	17,552	46,356	997
MALE NON-WHITE										
BIRTHS	10,150	1,344	228	318	982	36	6	3,778	2,560	104
0-4	42,092	5,912	1,101	1,520	3,980	204	32	17,271	11,308	473
5-14	59,231	8,836	1,498	2,832	6,922	216	43	27,226	14,763	742
15-24	37,597	4,241	874	1,745	3,849	306	47	13,766	9,865	419
25-34	40,622	4,458	837	1,265	2,957	473	38	11,361	11,093	492
35-44	44,443	4,999	721	1,275	2,858	183	19	11,324	9,162	412
45-54	29,703	4,510	946	1,164	2,481	82	22	10,696	6,582	290
55-64	17,740	3,681	925	744	1,933	51	15	8,145	3,642	171
65-74	8,611	2,247	164	614	1,038	19	1	5,499	1,463	75
75-84	3,433	808	36	232	331	11	1	2,006	396	16
85+	555	172	19	51	56	3	6	464	73	2
TOTAL	292,917	39,864	6,117	11,442	26,005	1,548	222	107,756	68,245	3,050
65+	12,599	3,227	215	807	1,425	33	6	7,967	1,910	91
FEMALE NON-WHITE										
BIRTHS	9,746	1,276	436	368	944	48	8	3,902	2,676	72
0-4	41,800	5,784	1,204	1,492	4,039	210	38	17,628	11,229	909
5-14	59,270	8,940	1,563	2,761	6,934	196	44	27,506	15,041	748
15-24	41,711	5,192	923	1,849	4,336	239	48	16,194	10,684	497
25-34	51,739	5,628	956	1,400	3,754	278	48	15,009	11,958	561
35-44	45,231	5,842	748	1,436	3,626	142	29	13,856	9,595	426
45-54	28,987	4,914	540	1,213	3,022	67	9	12,367	6,599	319
55-64	18,274	3,859	260	930	2,121	36	5	8,985	3,522	139
65-74	10,259	2,948	108	606	1,464	22	6	6,004	1,591	61
75-84	3,563	1,017	39	275	559	12	5	2,203	429	19
85+	729	235	11	69	130	3	0	614	100	4
TOTAL	301,559	43,919	6,352	12,151	29,983	1,205	232	120,326	70,748	3,263
65+	14,547	3,800	158	1,040	2,155	37	11	8,821	2,120	86

	MILWAUKE WIS	MINEAPLS MINN	MOBILE ALA	MONROE LA	MONTGMRY ALA	MUNCIE IND	MUSKEGON MICH	NASHVILL TENN	NEWARK NJ	NEW HAVN CONN
MALE WHITE										
BIRTHS	34,560	20,624	2,834	882	1,112	1,242	1,862	3,860	14,370	6,934
0-4	66,250	94,079	13,563	4,124	6,437	6,080	8,983	18,010	70,729	33,299
5-14	106,683	146,005	23,304	7,292	10,221	10,558	15,433	30,884	129,312	57,721
15-24	66,679	89,000	14,130	4,963	7,237	7,710	8,454	22,376	76,415	37,962
25-34	74,924	94,605	14,638	4,518	8,118	6,830	8,003	22,628	87,587	38,181
35-44	73,905	90,424	14,759	4,402	7,866	6,494	8,019	21,525	106,307	45,570
45-54	65,815	73,007	11,693	3,653	5,440	5,697	7,558	17,846	98,177	37,719
55-64	53,012	57,755	7,115	2,582	3,255	4,041	5,564	11,729	76,803	27,373
65-74	32,030	40,751	3,776	1,524	1,935	2,505	3,396	6,926	46,928	19,959
75-84	11,336	14,865	1,437	630	683	1,202	1,226	2,834	15,655	7,307
85+	1,861	2,709	228	116	121	224	251	569	2,581	1,340
TOTAL	553,404	703,230	104,641	33,744	51,291	51,341	67,667	159,327	706,494	306,411
65+	46,136	58,355	5,639	2,270	2,739	3,931	4,873	10,329	63,164	28,606
FEMALE WHITE										
BIRTHS	13,676	19,174	2,616	810	1,080	1,220	1,776	3,730	14,070	6,370
0-4	63,728	91,093	12,977	3,909	6,136	5,838	8,652	17,535	68,720	32,132
5-14	102,339	142,035	24,467	6,805	10,110	10,119	14,835	29,854	124,396	55,358
15-24	74,762	106,185	15,610	5,337	7,400	8,789	9,400	24,778	86,067	37,613
25-34	74,702	96,664	15,436	5,000	7,810	7,083	8,480	23,766	93,179	39,900
35-44	77,066	94,436	15,373	4,587	7,684	6,892	9,512	22,852	116,369	48,247
45-54	69,147	78,039	11,624	3,851	5,713	5,726	7,271	19,371	103,056	39,396
55-64	54,603	66,338	7,430	2,702	4,076	4,175	5,399	13,988	79,160	30,616
65-74	38,166	49,762	4,707	1,801	2,657	3,113	3,748	9,659	55,802	23,179
75-84	15,960	21,268	2,126	825	1,315	1,637	1,605	4,692	23,873	9,974
85+	3,281	4,956	482	163	293	343	343	1,089	5,132	2,295
TOTAL	573,818	751,306	108,232	35,160	53,194	53,715	69,245	167,584	755,756	318,710
65+	57,407	76,006	7,315	2,789	4,265	5,093	5,696	15,440	84,807	35,448
MALE NON-WHITE										
BIRTHS	1,616	476	1,740	528	978	92	268	1,062	3,776	646
0-4	6,419	2,238	7,976	2,636	4,662	395	1,096	4,805	15,698	2,965
5-14	8,068	2,961	12,443	4,155	7,712	726	1,740	7,383	21,850	3,812
15-24	4,075	1,542	6,730	2,013	4,916	342	724	5,467	13,566	2,359
25-34	5,496	2,160	5,421	1,366	3,147	305	703	4,577	17,776	2,759
35-44	4,171	1,944	5,650	1,396	3,035	338	874	4,382	15,644	2,186
45-54	2,530	1,310	4,711	1,463	2,877	329	704	4,060	10,885	1,382
55-64	1,472	828	2,870	1,103	1,780	228	372	2,846	7,315	904
65-74	675	598	1,598	801	1,408	143	143	1,861	3,636	480
75-84	209	215	556	353	503	49	48	647	1,029	176
85+	46	36	107	83	94	14	9	156	186	61
TOTAL	33,111	13,839	48,062	15,363	30,136	2,869	6,415	36,162	107,363	17,082
65+	826	867	2,261	1,237	2,005	206	200	2,664	4,669	719
FEMALE NON-WHITE										
BIRTHS	1,458	496	1,768	572	1,066	84	232	1,090	3,652	384
0-4	6,361	2,072	8,023	2,456	4,778	362	1,127	4,961	15,668	2,848
5-14	8,122	2,969	12,749	4,230	7,606	699	1,799	7,379	22,615	3,749
15-24	4,840	1,826	7,994	2,305	5,509	428	856	6,636	17,339	2,808
25-34	6,105	2,223	6,924	2,041	4,089	371	802	5,267	20,760	3,087
35-44	3,866	1,718	6,604	1,926	3,768	396	823	5,136	17,344	2,375
45-54	2,282	1,126	5,132	1,764	3,478	349	561	4,771	12,101	1,529
55-64	1,302	805	3,293	1,305	2,422	216	275	3,905	8,093	953
65-74	637	537	2,079	955	1,978	138	139	2,170	6,073	515
75-84	216	252	763	352	789	65	48	879	1,639	197
85+	30	39	203	104	194	11	10	190	327	51
TOTAL	33,957	13,565	53,366	17,416	36,591	3,013	6,638	40,670	119,829	18,112
65+	881	828	3,047	1,391	2,961	194	197	3,259	5,839	763

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

	NEW ORLN LA	NEWPORT VA	NEW YORK NY	NORFOLK VA	ODESSA TEX	OGDEN UTAH	OKLA CTY OKLA	OMAHA NEBR-IA	ORLANDO FLA	PATERSON NJ
MALE WHITE										
BIRTHS	7,370	2,234	92,170	5,694	1,252	1,558	5,726	6,058	3,294	11,346
0-4	33,874	10,350	436,143	26,443	6,112	7,599	26,[illegible]58	27,105	15,633	58,627
5-14	57,814	16,015	786,573	40,616	10,295	13,093	45,033	43,076	26,122	109,317
15-24	35,292	15,683	521,005	54,866	5,327	7,217	32,808	27,173	16,987	56,566
25-34	40,289	13,119	594,068	32,926	7,458	6,593	32,021	28,960	18,714	67,840
35-44	42,513	12,781	639,239	30,439	6,360	6,774	30,815	27,658	18,408	88,549
45-54	35,024	8,212	616,963	19,133	4,631	5,361	25,125	22,029	13,125	76,880
55-64	25,884	4,729	516,763	12,373	2,287	3,657	18,438	17,474	9,362	53,461
65-74	13,454	2,507	316,637	6,674	767	2,400	11,022	12,087	8,328	31,196
75-84	4,482	842	103,235	2,178	188	917	4,316	4,534	3,451	11,038
85+	725	161	15,009	387	38	162	672	826	527	1,826
TOTAL	289,351	84,399	4,539,235	226,035	43,443	53,753	226,918	210,920	130,657	555,300
65+	18,661	3,510	434,881	9,239	973	3,479	16,210	17,445	12,306	44,060
FEMALE WHITE										
BIRTHS	6,962	2,236	87,654	5,498	1,158	1,500	5,310	5,680	3,318	11,016
0-4	32,627	10,035	420,376	25,388	5,955	7,301	25,282	26,330	15,260	56,320
5-14	56,145	15,366	757,744	39,466	9,902	12,505	43,661	41,497	25,448	106,914
15-24	40,119	11,774	575,420	29,206	6,375	7,910	34,359	30,049	17,574	63,913
25-34	42,210	12,000	630,279	30,526	7,415	6,595	33,102	29,132	18,816	75,858
35-44	43,970	12,053	700,733	29,336	5,962	6,759	31,503	28,205	18,635	95,106
45-54	37,525	7,389	678,425	19,251	4,065	5,250	26,997	23,237	13,638	76,956
55-64	28,707	4,415	563,094	13,348	1,881	3,729	20,386	19,072	11,078	56,237
65-74	18,713	2,765	376,170	8,718	767	2,662	13,734	14,257	9,586	38,580
75-84	8,136	1,169	138,319	3,647	295	1,150	6,266	6,076	3,966	15,725
85+	1,697	270	26,700	778	60	215	1,483	1,439	822	3,215
TOTAL	309,849	77,216	4,867,520	199,664	42,677	54,056	236,771	219,294	134,821	586,824
65+	28,546	4,184	541,189	13,163	1,122	4,007	21,481	21,772	14,374	57,520
MALE NON-WHITE										
BIRTHS	4,700	928	19,458	2,412	84	60	904	588	948	864
0-4	20,675	4,394	78,147	11,122	414	218	3,938	2,281	4,023	3,092
5-14	31,516	6,729	116,786	17,193	541	364	5,664	3,104	5,800	4,251
15-24	16,958	4,809	75,086	10,612	315	199	3,060	1,872	3,970	2,997
25-34	14,836	4,108	93,995	9,436	467	167	2,729	1,931	4,083	3,306
35-44	14,764	4,396	92,866	10,461	347	288	2,650	1,491	3,122	3,057
45-54	12,721	3,105	66,624	7,320	205	134	2,232	1,158	2,721	2,124
55-64	9,282	2,013	44,881	4,677	101	84	1,474	890	1,634	1,240
65-74	5,170	1,258	20,405	2,725	48	64	854	635	943	590
75-84	1,534	346	5,802	900	7	32	345	236	324	176
85+	293	66	905	172	1	6	93	43	61	36
TOTAL	127,749	31,224	595,699	74,618	2,446	1,556	25,019	13,641	26,681	20,869
65+	6,997	1,670	27,112	3,797	56	102	1,292	914	1,328	802
FEMALE NON-WHITE										
BIRTHS	4,428	958	19,772	2,372	78	32	934	584	916	702
0-4	20,136	4,348	78,690	11,278	403	191	3,976	2,289	3,988	3,048
5-14	31,455	6,856	118,493	17,476	549	349	5,602	3,017	5,975	4,462
15-24	19,895	5,134	97,291	10,343	359	165	3,591	1,816	3,754	3,798
25-34	18,538	4,483	119,880	10,698	447	199	3,507	2,119	3,736	4,268
35-44	17,308	4,539	113,276	10,997	322	233	2,986	1,658	3,242	3,428
45-54	14,546	2,872	80,016	7,843	218	111	2,445	1,232	2,654	2,415
55-64	10,209	1,855	50,092	5,135	80	70	1,608	921	1,639	1,435
65-74	6,419	1,082	24,369	3,133	35	47	950	611	954	723
75-84	2,495	423	8,224	1,055	13	14	393	283	297	253
85+	534	72	1,648	234	3	0	69	73	89	30
TOTAL	141,531	31,664	692,179	78,190	2,429	1,379	25,125	14,018	26,328	23,880
65+	9,448	1,577	34,441	4,422	51	61	1,412	967	1,340	1,026

	PENSACOL FLA	PEORIA ILL	PHILADEL PA-NJ	PHOENIX ARIZ	PITTSBRG PA	PITTSFLD MASS	PORTLAND MAINE	PORTLAND ORE-WASH	PROVIDNC RI	PROVO UTAH
MALE WHITE										
BIRTHS	2,400	3,348	39,960	8,612	23,860	1,616	2,108	8,474	7,450	1,630
0-4	10,965	16,320	195,344	38,772	119,988	7,709	9,606	40,915	36,108	7,661
5-14	17,665	27,214	333,255	68,561	213,053	13,758	17,668	79,382	64,131	12,630
15-24	15,528	16,930	232,130	42,816	124,483	8,338	12,556	44,157	41,057	9,926
25-34	11,914	18,463	231,458	41,721	136,961	7,890	10,180	43,025	40,350	6,899
35-44	11,055	18,041	261,478	44,032	161,759	9,275	11,199	52,695	48,323	5,531
45-54	7,673	16,418	221,096	33,906	158,338	8,270	10,061	49,136	42,110	4,693
55-64	4,579	12,391	165,763	21,924	98,282	6,360	7,935	37,113	33,138	3,069
65-74	2,722	7,439	108,933	16,068	69,958	4,468	5,580	27,902	22,912	1,873
75-84	1,066	3,107	38,203	5,336	26,926	1,833	2,512	11,941	8,526	787
85+	163	593	6,482	816	4,128	370	518	1,901	1,556	138
TOTAL	83,308	136,916	1,794,142	313,952	1,093,876	68,351	87,795	388,167	338,211	53,207
65+	3,924	11,139	153,618	22,220	101,012	6,671	8,[illegible]10	41,744	32,994	2,798
FEMALE WHITE										
BIRTHS	2,448	3,328	38,010	7,672	22,800	1,500	2,134	8,062	7,148	1,616
0-4	10,549	15,673	188,071	37,164	115,362	7,532	9,496	39,219	34,902	7,165
5-14	17,229	26,476	318,219	66,160	205,789	12,964	16,811	76,934	61,976	11,989
15-24	12,895	18,462	227,397	43,050	141,491	7,950	12,329	50,130	43,501	11,107
25-34	12,380	18,629	237,529	41,690	146,[illegible]	8,570	11,002	46,540	43,278	6,341
35-44	11,183	18,670	275,580	44,610	174,894	10,043	12,220	56,453	52,438	5,620
45-54	7,595	16,340	232,147	34,001	163,692	8,854	10,992	50,331	46,330	4,567
55-64	4,891	12,629	183,610	23,142	104,345	7,095	9,112	39,517	38,458	3,087
65-74	3,149	9,176	135,513	16,279	76,845	5,728	7,340	31,828	28,776	2,167
75-84	1,325	4,377	57,081	5,951	32,145	2,809	3,809	15,135	12,915	982
85+	307	1,024	12,298	1,081	6,587	704	990	3,127	2,773	216
TOTAL	81,501	141,456	1,867,945	313,128	1,148,036	72,229	94,099	409,216	365,347	53,261
65+	4,779	14,577	204,892	23,311	115,577	9,241	12,139	50,090	44,464	3,365
MALE NON-WHITE										
BIRTHS	788	218	10,250	798	2,282	22	18	416	280	4
0-4	3,236	859	45,438	3,130	10,191	105	69	1,712	1,209	20
5-14	4,705	1,298	69,424	4,274	17,169	168	73	2,781	1,697	67
15-24	2,919	639	42,328	2,635	9,693	92	99	1,619	1,026	94
25-34	2,247	592	45,619	2,287	9,534	111	104	1,518	1,010	55
35-44	2,011	653	45,789	1,904	9,922	96	43	1,749	886	27
45-54	1,586	455	34,298	1,764	8,885	79	34	1,557	528	16
55-64	932	283	25,276	1,207	8,247	65	26	[illegible]24	462	5
65-74	543	161	13,099	786	4,445	38	26	509	364	6
75-84	242	59	4,064	288	1,383	12	4	208	136	5
85+	68	18	741	51	223	9	2	38	23	0
TOTAL	18,477	5,017	326,076	18,326	79,692	775	478	12,415	7,319	293
65+	833	238	17,902	1,125	6,051	59	30	755	503	11
FEMALE NON-WHITE										
BIRTHS	722	198	10,182	736	2,234	20	14	374	286	6
0-4	3,230	884	45,810	3,092	10,117	100	47	1,823	1,251	25
5-14	4,569	1,321	69,726	4,326	17,280	141	79	2,686	1,625	76
15-24	2,983	779	48,385	2,828	11,553	98	64	1,606	1,140	83
25-34	2,806	769	53,846	2,455	11,486	130	59	1,758	1,176	28
35-44	2,409	686	51,476	2,035	11,411	105	49	1,812	948	18
45-54	1,859	462	38,534	1,610	9,219	84	23	1,210	617	9
55-64	1,150	283	26,708	999	7,253	53	25	681	456	8
65-74	746	199	14,369	553	3,877	34	24	379	300	5
75-84	266	65	5,215	203	1,333	29	6	124	144	1
85+	69	18	1,165	43	306	6	3	22	31	1
TOTAL	20,090	5,464	355,234	18,104	83,833	780	379	12,101	7,666	290
65+	1,081	282	20,749	799	5,514	69	33	525	475	9

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

PUEBLO COLO	RACINE WIS	RALEIGH NC	READING PA	RENO NEV		RICHMOND VA	ROANOKE VA	ROCHESTR NY	ROCKFORD ILL	SACRMNTO CALIF
					MALE WHITE					
1,424	1,862	1,482	2,608	1,018	BIRTHS	3,380	1,606	6,420	2,788	6,228
7,120	8,529	6,977	12,690	6,373	0-4	15,668	7,192	30,035	12,538	28,812
12,736	14,562	11,979	23,177	7,484	5-14	27,252	13,229	52,980	20,838	40,147
6,894	7,716	10,951	14,679	5,178	15-24	17,279	7,780	30,450	11,393	28,654
7,088	8,666	10,042	16,724	5,524	25-34	20,867	9,343	33,626	13,297	33,338
7,498	8,840	8,716	18,866	6,205	35-44	22,911	9,888	37,052	13,617	35,486
6,452	7,373	6,507	17,780	5,468	45-54	17,816	7,761	32,520	10,783	26,099
4,913	5,680	4,141	13,725	3,640	55-64	11,760	6,200	25,839	8,224	17,312
3,336	4,128	2,649	9,998	2,214	65-74	7,061	3,731	18,318	5,429	10,681
1,488	1,336	898	3,790	854	75-84	2,644	1,307	7,376	2,192	6,206
311	266	159	658	124	85+	481	296	1,188	321	691
57,409	67,296	62,025	151,137	41,078	TOTAL	143,089	66,727	275,778	98,512	234,420
5,135	5,930	3,408	13,806	3,197	65+	10,186	5,384	26,880	7,902	15,578
					FEMALE WHITE					
1,426	1,678	1,336	2,518	936	BIRTHS	3,154	1,430	5,870	2,480	5,858
7,023	8,435	6,935	12,199	6,212	0-4	14,981	6,872	29,263	12,083	27,595
12,961	13,810	11,096	22,691	7,216	5-14	26,660	12,592	50,701	20,209	47,515
7,963	8,501	10,130	16,635	5,362	15-24	20,669	9,771	34,366	13,630	30,952
7,661	8,703	9,763	17,680	5,716	25-34	22,068	10,032	39,810	13,855	32,720
7,472	9,166	8,068	20,179	6,369	35-44	23,232	10,011	41,513	13,816	33,852
6,313	7,408	6,864	18,601	5,167	45-54	19,151	8,458	34,711	10,907	24,363
4,964	5,988	4,906	14,795	3,099	55-64	14,638	6,957	28,613	8,402	16,121
3,662	4,595	3,229	11,061	1,981	65-74	10,711	4,502	22,585	6,207	11,266
1,827	1,960	1,390	4,851	937	75-84	4,466	2,121	10,512	2,759	4,945
474	410	276	963	162	85+	1,027	506	2,389	620	1,079
58,680	69,026	62,031	130,465	40,100	TOTAL	157,559	71,852	290,542	102,486	230,307
5,763	6,925	4,891	16,869	3,060	65+	16,184	7,219	35,486	9,586	17,290
					MALE NON-WHITE					
34	132	998	88	98	BIRTHS	1,670	238	516	162	630
160	526	2,836	340	292	0-4	8,932	1,176	2,363	790	2,776
303	678	5,950	567	330	5-14	11,217	2,231	2,671	1,059	4,158
166	379	3,750	289	294	15-24	6,022	1,075	1,638	522	2,376
171	458	2,973	288	317	25-34	6,656	1,059	2,115	600	3,132
168	360	2,487	201	263	35-44	6,910	1,402	1,623	536	3,298
137	105	2,020	290	180	45-54	5,775	1,107	874	348	1,993
93	97	1,289	197	164	55-64	3,602	925	968	211	1,248
86	65	790	96	55	65-74	2,308	548	249	96	691
48	16	261	29	23	75-84	725	136	73	33	331
12	0	56	6	5	85+	168	33	15	6	38
1,344	2,795	21,263	2,321	1,803	TOTAL	51,195	9,690	12,289	4,201	20,038
146	81	1,146	131	83	65+	3,181	717	337	135	1,060
					FEMALE NON-WHITE					
42	196	612	86	72	BIRTHS	1,474	232	496	140	704
164	538	2,817	352	203	0-4	6,904	1,226	2,389	835	2,810
267	671	5,936	572	326	5-14	11,183	2,245	2,767	1,103	4,136
164	460	3,798	365	260	15-24	8,381	1,317	1,962	641	2,404
176	475	2,953	378	266	25-34	7,886	1,320	2,201	705	3,166
157	296	2,787	325	203	35-44	7,860	1,416	1,550	553	2,509
108	170	2,160	238	168	45-54	6,229	1,185	912	380	1,527
112	79	1,534	102	90	55-64	4,266	956	526	192	867
91	40	1,008	88	65	65-74	2,780	643	795	107	544
56	14	361	36	11	75-84	980	162	93	37	131
7	1	101	7	6	85+	172	66	17	13	20
1,279	2,726	22,863	2,511	1,663	TOTAL	56,461	10,536	12,778	4,566	17,916
152	55	1,470	129	80	65+	3,932	871	405	157	695

SAGINAW MICH	ST JOSPH MO	ST LOUIS MO-ILL	SALT LAK UTAH	SAN ANGE TEX		SAN ANTO TEX	SAN BERN CALIF	SAN DIEG CALIF	SAN FRAN CALIF	SAN JOSE CALIF
					MALE WHITE					
2,312	978	21,224	5,896	800	BIRTHS	[illegible]	9,654	12,318	26,322	8,738
11,326	4,386	102,743	27,060	3,453	0-4	42,722	46,076	56,510	122,446	40,618
18,789	7,748	167,352	43,247	6,215	5-14	70,949	78,247	91,815	218,263	66,683
10,461	4,736	98,324	26,114	5,022	15-24	57,704	53,800	111,995	156,652	41,866
10,623	4,584	114,738	24,816	3,652	25-34	40,616	50,108	70,780	161,868	44,780
10,804	5,282	119,806	22,663	3,676	35-44	38,628	51,870	69,370	178,595	45,765
9,480	5,167	103,893	17,738	3,297	45-54	29,616	40,769	47,733	151,077	30,612
6,633	4,535	79,990	12,660	2,912	55-64	20,673	30,035	31,687	112,561	18,761
4,460	3,529	49,061	7,986	1,676	65-74	12,037	24,476	21,810	75,772	12,462
1,776	1,692	19,063	3,243	688	75-84	4,833	9,045	8,668	27,651	5,235
322	327	3,267	596	128	85+	856	1,661	1,577	4,213	920
84,656	41,927	869,837	186,089	30,319	TOTAL	318,634	386,885	511,764	1,203,026	307,492
6,558	5,488	71,371	11,781	2,492	65+	18,626	35,080	32,055	102,986	18,597
					FEMALE WHITE					
2,236	944	20,230	5,512	788	BIRTHS	8,838	8,958	12,122	24,812	8,000
11,026	4,260	98,576	26,297	3,351	0-4	40,986	43,783	53,860	117,909	38,698
18,114	7,297	162,715	41,801	6,182	5-14	69,189	76,501	88,476	211,911	64,237
11,852	5,437	111,951	29,674	4,307	15-24	45,924	50,436	62,171	190,355	43,595
10,955	5,023	118,404	24,718	3,957	25-34	42,534	48,292	64,275	190,280	49,330
11,188	5,677	122,978	22,865	3,886	35-44	41,645	51,706	69,115	184,619	45,670
9,319	5,626	110,627	18,108	3,584	45-54	31,889	41,090	48,800	156,521	30,766
6,650	5,305	88,493	13,435	2,823	55-64	26,009	32,680	35,365	118,326	20,911
5,061	4,437	67,708	9,309	1,958	65-74	16,256	26,411	26,777	86,760	15,800
2,413	2,336	29,198	4,573	856	75-84	7,290	11,508	12,246	39,619	7,544
493	525	6,558	928	208	85+	1,604	2,310	2,722	8,332	1,795
87,080	46,011	912,388	101,388	31,108	TOTAL	321,122	384,682	464,307	1,233,639	313,933
7,967	7,298	99,344	14,810	3,020	65+	25,150	40,229	41,745	134,711	25,139
					MALE NON-WHITE					
340	38	5,144	72	36	BIRTHS	730	758	1,314	5,478	306
1,754	172	22,437	351	208	0-4	3,140	3,071	4,604	23,883	1,442
2,489	295	32,640	567	309	5-14	4,675	4,131	5,663	38,628	2,159
927	113	16,558	364	276	15-24	4,417	3,244	7,409	21,302	1,477
1,438	134	16,240	404	158	25-34	2,986	3,327	5,414	25,408	1,765
1,260	146	19,852	428	144	35-44	2,881	2,372	3,636	26,359	1,608
800	143	15,009	290	139	45-54	2,283	1,868	2,050	20,590	1,121
538	127	11,515	187	108	55-64	1,513	1,306	1,226	12,726	758
181	120	6,798	169	61	65-74	1,021	654	599	5,229	316
44	67	2,286	87	36	75-84	299	237	198	1,676	190
6	13	471	10	5	85+	51	47	34	263	25
8,948	1,270	139,742	2,773	1,534	TOTAL	23,266	20,257	30,833	176,090	10,840
241	180	9,915	262	102	65+	1,371	938	831	7,164	531
					FEMALE NON-WHITE					
338	40	4,992	96	74	BIRTHS	690	650	1,174	5,420	338
1,752	190	24,996	359	212	0-4	3,173	2,952	4,564	23,774	1,390
2,410	238	33,059	616	318	5-14	4,636	3,977	5,660	38,057	2,016
1,170	154	20,473	370	216	15-24	3,113	2,363	3,262	22,649	1,506
1,555	147	21,747	303	213	25-34	3,644	2,997	4,833	22,080	1,797
1,185	166	20,062	361	179	35-44	3,320	2,001	3,343	26,968	1,900
718	168	17,032	192	188	45-54	2,661	1,512	1,885	16,396	668
430	162	12,383	167	210	55-64	1,831	948	1,067	8,775	562
176	117	7,282	105	98	65-74	1,166	604	574	4,322	300
57	76	2,804	50	20	75-84	459	248	193	1,399	90
16	17	688	2	3	85+	126	88	46	294	21
9,609	1,373	158,136	2,595	1,669	TOTAL	24,129	17,958	26,107	170,604	9,850
249	210	10,784	157	135	65+	1,751	918	813	5,935	411

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

SANTA BR CALIF	SAVANNAH GA	SCRANTON PA	SEATTLE WASH	SHREVPRT LA		SIOUX CY IOWA	SIOUX FL S DAK	SO BEND IND	SPOKANE WASH	SPRNGFLD ILL
					MALE WHITE					
2,098	1,784	2,154	12,052	2,292	BIRTHS	1,396	1,212	2,426	3,342	1,712
9,322	7,959	10,608	60,189	11,324	0-4	6,093	5,615	12,251	15,628	7,694
15,439	12,437	20,393	104,484	18,841	5-14	11,039	9,303	23,045	27,529	13,264
12,407	8,902	12,696	64,068	11,562	15-24	6,163	5,038	16,388	17,569	7,389
11,708	9,059	12,200	68,272	13,701	25-34	5,961	5,402	13,768	16,084	7,954
11,453	8,723	15,956	74,249	13,133	35-44	6,190	5,464	14,945	17,926	8,714
8,632	6,476	15,066	61,117	9,586	45-54	5,515	4,129	12,808	15,219	8,341
6,089	3,866	11,704	42,866	6,549	55-64	4,919	3,385	9,830	11,095	6,481
4,369	2,308	8,467	30,897	3,818	65-74	3,791	2,415	5,955	8,745	4,480
1,781	778	2,884	13,683	1,464	75-84	1,569	969	2,259	4,365	2,020
316	134	470	[illegible]	266	85+	329	194	436	819	356
81,312	60,640	110,564	521,977	90,240	TOTAL	51,567	41,914	111,685	136,979	66,693
6,466	3,218	12,021	46,792	5,548	65+	5,689	3,578	8,650	13,929	6,856
					FEMALE WHITE					
2,002	1,722	2,070	11,734	2,038	BIRTHS	1,234	1,196	2,384	3,066	1,558
8,858	7,626	10,287	57,769	11,024	0-4	5,881	5,428	11,695	14,948	7,280
15,156	12,356	19,399	101,462	18,312	5-14	10,421	9,002	22,184	[illegible]	12,641
11,692	9,156	14,949	68,882	13,343	15-24	7,162	6,317	14,238	18,767	9,241
10,470	9,114	14,649	66,753	14,198	25-34	6,350	5,590	14,721	16,571	8,847
10,819	8,935	18,136	75,452	13,388	35-44	6,570	5,407	15,856	18,531	9,815
8,845	6,572	16,020	60,679	10,128	45-54	5,928	4,362	13,157	15,039	9,296
6,821	4,714	13,882	45,295	7,469	55-64	5,532	3,648	10,108	11,466	7,508
5,596	3,308	10,781	35,650	4,814	65-74	4,214	2,867	6,989	9,803	5,702
2,653	1,404	4,197	17,061	2,101	75-84	1,889	1,213	3,005	4,934	2,793
565	291	750	3,401	462	85+	423	253	625	1,087	615
81,475	63,476	123,142	532,314	95,239	TOTAL	56,370	44,067	112,578	137,732	73,826
8,814	5,003	15,728	56,112	7,377	65+	6,526	4,333	10,619	15,824	9,200
					MALE NON-WHITE					
100	932	24	808	1,552	BIRTHS	40	10	284	94	92
600	4,201	47	3,681	7,163	0-4	159	23	1,138	492	432
926	7,297	83	5,711	12,013	5-14	189	43	1,820	590	612
698	4,486	38	3,129	6,641	15-24	104	117	796	439	302
579	3,283	47	3,701	4,441	25-34	119	86	796	433	334
344	3,519	53	4,167	4,119	35-44	111	59	895	374	291
501	3,258	46	3,309	3,865	45-54	97	53	681	285	314
295	2,216	38	2,079	3,334	55-64	66	8	502	182	273
125	1,322	37	1,088	2,434	65-74	46	9	242	112	162
53	355	7	573	948	75-84	20	6	84	61	95
5	72	1	71	221	85+	3	3	13	7	17
3,526	29,969	397	27,509	65,179	TOTAL	914	385	6,967	2,935	2,832
183	1,749	45	1,732	3,603	65+	69	16	339	180	276
					FEMALE NON-WHITE					
106	982	16	856	1,606	BIRTHS	30	16	250	98	106
417	4,384	47	3,721	7,062	0-4	158	46	1,161	429	420
533	7,415	85	5,634	12,032	5-14	210	58	1,775	573	581
391	5,023	51	3,360	7,185	15-24	172	35	933	387	414
438	4,111	53	4,106	6,085	25-34	137	24	1,076	479	382
333	4,480	52	4,028	5,464	35-44	106	27	971	365	397
233	3,862	47	2,066	4,789	45-54	75	13	712	173	365
161	2,596	41	1,305	3,829	55-64	70	9	416	147	311
100	1,697	40	850	2,930	65-74	46	7	257	96	190
35	583	9	294	1,150	75-84	21	3	76	54	103
8	123	3	59	308	85+	3	5	13	8	25
2,649	34,234	428	25,323	50,823	TOTAL	998	229	7,384	2,687	3,188
143	2,363	52	1,143	4,397	65+	70	15	344	138	318

SPRNGFLD MO	SPRNGFLD OHIO	SPRNGFLD MASS	STEUBNVL OHIO-WVA	STOCKTON CALIF		SYRACUSE NY	TACOMA WASH	TAMPA FLA	TER HAUT IND	TEXRKANA TEX-ARK
					MALE WHITE					
1,386	1,358	5,698	1,806	2,512	BIRTHS	6,898	3,682	6,270	1,046	606
6,383	6,922	27,099	8,844	11,636	0-4	33,030	16,326	29,970	5,203	3,266
11,240	12,360	48,767	16,349	22,694	5-14	54,168	29,696	55,413	9,390	6,968
8,627	7,156	31,772	9,725	15,872	15-24	39,179	28,125	34,261	6,763	4,171
7,519	6,705	30,889	9,940	13,923	25-34	34,256	19,744	35,645	5,654	3,705
7,595	8,029	36,475	10,929	15,561	35-44	36,274	20,534	40,232	6,577	4,592
6,641	6,663	29,002	9,780	13,843	45-54	29,575	16,608	36,383	5,666	4,375
5,126	4,832	22,270	7,017	10,072	55-64	23,052	12,058	34,728	4,910	3,331
4,029	3,333	16,477	4,744	7,677	65-74	16,568	9,182	43,968	3,694	2,263
1,931	1,547	5,089	1,915	3,220	75-84	6,501	4,045	16,279	1,704	951
368	365	1,076	302	483	85+	1,202	731	2,355	288	165
59,450	57,602	250,516	79,565	114,981	TOTAL	[illegible]	157,047	329,236	40,859	33,789
6,328	5,245	23,342	6,961	11,380	65+	24,251	13,958	62,602	9,696	3,379
					FEMALE WHITE					
1,196	1,256	5,426	1,662	2,284	BIRTHS	6,520	3,552	6,046	1,056	998
5,919	6,282	26,709	8,948	11,261	0-4	31,379	15,706	28,638	5,093	5,084
10,873	12,162	46,761	15,878	22,015	5-14	51,958	28,777	54,119	9,203	6,802
9,930	8,241	35,404	10,807	14,786	15-24	36,875	20,387	36,769	7,577	4,326
7,884	7,497	31,436	10,680	13,679	25-34	35,797	18,066	37,864	5,784	4,083
8,056	8,470	37,746	11,879	15,606	35-44	38,096	20,083	44,445	7,102	4,931
7,143	6,797	30,269	9,695	12,552	45-54	30,537	16,947	41,833	6,299	4,542
6,268	5,183	25,818	6,629	9,304	55-64	24,598	12,583	45,648	5,524	3,658
4,975	4,113	20,862	4,604	7,258	65-74	19,122	10,097	45,231	4,471	2,493
2,649	2,205	9,152	1,976	3,169	75-84	8,944	4,810	16,563	2,206	1,150
601	541	2,060	405	631	85+	2,182	1,008	2,969	458	262
64,296	61,401	266,215	80,901	110,261	TOTAL	279,288	148,156	354,079	53,717	35,331
8,225	6,859	32,074	6,985	11,058	65+	30,248	15,915	64,763	7,135	3,905
					MALE NON-WHITE					
32	148	294	84	306	BIRTHS	316	380	1,900	68	306
137	802	1,776	499	1,560	0-4	1,314	1,477	6,776	339	1,548
221	1,350	1,743	862	2,873	5-14	1,603	1,722	9,271	468	2,715
176	665	1,207	535	1,565	15-24	1,039	1,908	6,203	366	1,295
224	687	1,431	603	1,218	25-34	1,286	1,664	5,906	382	878
195	717	1,001	401	1,658	35-44	923	1,239	5,126	259	1,028
141	639	551	394	2,462	45-54	599	605	4,551	243	1,107
114	479	349	414	1,796	55-64	363	249	3,172	207	1,007
84	348	215	180	806	65-74	178	130	1,660	191	767
41	125	76	56	315	75-84	68	59	570	75	309
9	24	12	9	44	85+	11	8	121	8	63
1,342	5,836	7,883	3,693	14,277	TOTAL	7,376	9,061	43,334	2,518	10,691
136	497	299	245	1,165	65+	251	197	2,351	276	1,119
					FEMALE NON-WHITE					
28	140	314	86	326	BIRTHS	252	416	1,540	76	332
145	863	1,317	671	1,535	0-4	1,244	1,480	6,785	298	1,532
219	1,340	1,739	814	2,625	5-14	1,608	1,716	9,518	437	2,754
167	774	1,189	525	1,276	15-24	1,220	939	6,613	337	1,468
126	822	1,404	491	1,402	25-34	1,307	1,580	6,502	215	1,230
151	880	960	459	1,540	35-44	870	905	5,749	290	1,310
118	713	609	389	965	45-54	569	322	4,883	296	1,292
123	497	384	327	634	55-64	314	213	3,189	230	1,072
100	407	241	176	379	65-74	150	125	1,705	183	812
62	172	110	98	112	75-84	75	39	624	82	296
16	43	19	7	22	85+	21	9	152	16	86
1,179	6,511	7,068	3,657	10,670	TOTAL	7,358	7,328	45,806	2,394	11,850
156	622	370	241	513	65+	246	173	2,571	281	1,192

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

	TOLEDO OHIO	TOPEKA KANS	TRENTON NJ	TUCSON ARIZ	TULSA OKLA	TUSCALSA ALA	TYLER TEX	UTICA NY	WACO TEX	WASHNGTN DC-MD-VA
MALE WHITE										
BIRTHS	4,722	1,904	2,220	3,334	4,274	806	668	3,808	1,470	18,470
0-4	23,781	8,225	10,883	15,096	21,201	3,850	3,187	17,012	6,782	84,972
5-14	40,615	12,085	19,867	26,222	38,906	6,927	6,225	31,585	11,774	142,871
15-24	22,676	9,011	15,985	18,714	22,302	7,499	3,800	19,192	9,200	103,285
25-34	24,806	9,484	14,919	15,772	25,761	5,397	3,814	19,165	8,253	106,961
35-44	27,228	8,413	17,250	16,376	26,477	5,039	4,276	22,637	8,392	116,240
45-54	24,389	6,189	14,966	13,037	20,703	4,345	3,840	18,723	6,937	87,340
55-64	19,780	5,203	10,670	9,226	15,174	2,979	2,8[illegible]1	14,112	5,380	52,935
65-74	13,212	3,529	7,287	6,659	9,461	1,983	1,763	11,122	3,794	27,374
75-84	4,767	1,591	2,633	1,950	3,787	806	692	4,671	1,476	9,510
85+	801	393	362	203	738	123	122	916	262	1,776
TOTAL	201,853	64,143	114,822	123,305	184,510	38,948	30,610	159,835	62,250	733,264
65+	18,780	5,433	10,282	8,902	13,986	2,912	2,597	16,709	5,532	38,660
FEMALE WHITE										
BIRTHS	4,594	1,798	2,250	3,288	3,916	826	628	3,762	1,308	17,428
0-4	22,554	7,913	10,672	14,484	20,414	3,792	3,002	17,682	6,586	82,031
5-14	39,174	11,607	18,778	25,200	37,299	6,846	5,978	30,253	11,396	139,093
15-24	25,724	9,606	14,644	18,356	26,351	7,008	4,241	19,670	9,419	101,642
25-34	25,635	9,118	14,930	15,987	27,832	5,383	4,208	19,759	8,105	105,124
35-44	28,851	8,211	18,115	17,475	27,039	4,827	4,453	23,446	8,017	124,205
45-54	25,337	6,822	15,400	13,918	22,093	4,233	4,083	19,114	7,171	92,962
55-64	20,560	5,964	11,829	10,405	17,067	3,055	3,162	15,367	6,015	61,829
65-74	15,394	4,580	8,735	6,912	11,626	2,342	2,079	12,809	4,363	39,920
75-84	7,039	2,399	3,565	2,471	5,095	1,077	955	6,052	2,009	17,980
85+	1,416	593	735	460	1,150	208	195	1,552	449	4,299
TOTAL	211,682	66,813	117,203	125,748	195,964	38,771	32,356	165,704	63,620	769,165
65+	23,847	7,572	13,035	9,823	17,869	3,627	3,229	20,413	6,911	62,199
MALE NON-WHITE										
BIRTHS	648	168	556	294	614	462	396	116	370	8,262
0-4	3,197	788	4,425	1,187	2,760	2,339	1,606	436	1,632	34,152
5-14	4,994	1,036	3,591	1,936	4,370	4,033	2,657	636	2,822	50,505
15-24	2,399	708	2,203	1,400	2,286	2,314	1,760	366	1,520	31,891
25-34	2,748	708	2,952	1,082	1,969	1,552	1,203	419	1,252	37,063
35-44	2,694	533	2,973	943	1,910	1,340	1,068	327	1,227	35,156
45-54	2,184	485	1,657	772	1,802	1,308	1,178	252	1,163	26,954
55-64	1,542	412	1,017	626	1,584	904	908	134	880	19,659
65-74	829	298	514	358	1,009	616	595	75	749	7,327
75-84	265	100	144	115	366	278	235	24	272	2,606
85+	51	38	35	32	84	65	49	4	57	532
TOTAL	20,903	5,106	17,111	8,451	18,160	14,769	11,259	2,673	11,574	241,845
65+	1,145	436	693	505	1,459	959	879	103	1,078	10,465
FEMALE NON-WHITE										
BIRTHS	700	170	592	268	576	414	334	124	390	7,918
0-4	3,318	689	2,392	1,285	2,672	2,365	1,597	428	1,634	34,018
5-14	4,936	1,003	3,615	1,900	4,435	4,009	2,687	609	2,753	51,033
15-24	2,930	726	2,600	1,208	2,635	2,619	1,915	386	1,719	36,106
25-34	3,416	766	2,965	1,171	2,667	2,095	1,435	451	1,501	40,294
35-44	3,036	581	2,396	914	2,481	1,787	1,272	293	1,400	38,611
45-54	2,191	486	1,558	788	2,152	1,562	1,321	188	1,308	28,016
55-64	1,443	484	1,026	524	1,775	1,056	896	118	1,008	16,166
65-74	872	342	902	281	1,039	746	684	60	835	8,907
75-84	281	118	156	103	399	302	259	21	306	3,643
85+	70	29	48	32	125	58	59	5	93	829
TOTAL	22,493	5,224	17,296	8,156	20,360	16,579	12,125	2,559	12,647	257,623
65+	1,223	489	706	416	1,563	1,106	1,002	86	1,234	13,379

	WATERLOO IOWA	W PALM B FLA	WHEELING WVA-OHIO	WICHITA KANS	WCHTA FL TEX	WILKES B PA	WILMNGTN DEL-NJ	WINST SA NC	WORCESTR MASS	YORK PA
MALE WHITE										
BIRTHS	1,638	1,616	1,932	4,296	1,586	3,066	3,914	1,768	6,822	2,606
0-4	7,442	7,972	9,053	21,340	7,376	14,824	19,265	8,350	30,929	12,763
5-14	12,662	14,697	17,319	36,106	11,321	29,920	32,109	14,061	54,648	22,683
15-24	7,383	8,690	10,921	19,546	11,775	19,358	18,879	9,672	34,866	13,463
25-34	7,308	9,766	10,628	23,862	9,254	18,457	21,621	11,486	32,401	14,796
35-44	7,284	11,095	12,164	23,002	7,740	22,985	23,862	10,083	38,817	15,811
45-54	6,132	10,203	11,340	16,274	5,782	23,887	18,601	7,142	34,596	13,627
55-64	4,490	9,582	8,014	10,455	4,430	18,297	12,300	4,936	26,520	10,500
65-74	3,014	9,470	6,736	6,079	2,732	12,293	7,764	2,620	19,526	6,814
75-84	1,315	3,123	3,275	2,547	1,092	3,974	2,808	946	7,925	2,889
85+	267	482	509	505	220	566	543	159	1,493	552
TOTAL	57,297	85,080	90,554	157,716	61,720	164,561	157,752	69,655	281,721	113,878
65+	4,596	13,075	10,519	9,131	4,044	16,833	11,115	3,725	28,944	10,235
FEMALE WHITE										
BIRTHS	1,514	1,518	1,860	3,930	1,510	2,934	3,606	1,590	6,208	2,400
0-4	7,232	7,855	8,831	20,393	7,162	14,391	18,492	7,937	29,479	12,281
5-14	12,055	14,422	16,876	32,767	11,007	28,557	30,877	13,472	52,392	22,007
15-24	8,839	9,207	11,666	22,595	8,487	21,509	20,503	11,349	35,673	14,743
25-34	7,433	10,189	11,177	23,961	8,604	20,787	22,530	11,875	33,982	15,473
35-44	7,637	12,020	13,162	22,926	7,342	26,745	24,712	10,380	41,984	16,595
45-54	6,268	11,841	11,862	16,503	6,165	26,064	18,353	7,886	35,923	14,018
55-64	4,784	11,673	9,484	11,483	5,029	21,504	13,090	5,855	29,936	11,255
65-74	3,621	9,615	7,930	8,140	3,276	14,907	9,406	3,466	24,031	8,101
75-84	1,807	3,390	3,724	3,889	1,474	5,678	4,143	1,476	11,455	3,725
85+	432	639	873	872	284	1,084	952	309	2,759	815
TOTAL	60,108	90,851	95,185	163,409	58,810	181,226	163,058	74,005	297,614	119,013
65+	5,860	13,644	12,127	12,901	5,034	21,669	14,501	5,251	38,245	12,641
MALE NON-WHITE										
BIRTHS	98	884	64	458	166	26	730	692	68	102
0-4	441	3,791	248	1,991	614	65	3,312	2,939	287	430
5-14	652	5,241	489	2,941	937	124	4,837	5,059	368	678
15-24	300	4,067	339	1,307	862	126	2,891	3,205	266	332
25-34	360	4,602	290	1,641	666	79	2,856	2,481	337	312
35-44	292	3,642	229	1,285	504	60	2,988	2,392	290	322
45-54	195	2,891	290	810	415	61	2,466	2,247	167	222
55-64	143	1,825	263	572	308	63	1,716	1,761	145	204
65-74	74	848	177	324	203	35	983	909	88	101
75-84	33	373	67	117	53	12	333	214	60	22
85+	4	39	23	33	12	1	62	46	11	8
TOTAL	2,496	27,319	2,327	10,711	4,574	606	22,442	21,253	1,939	2,631
65+	111	1,260	267	474	268	48	1,378	1,169	139	131
FEMALE NON-WHITE										
BIRTHS	122	790	46	500	166	22	730	648	58	96
0-4	464	3,926	248	2,090	598	57	3,271	2,998	269	446
5-14	654	5,392	497	2,561	958	117	4,928	5,295	380	688
15-24	389	3,560	310	1,643	619	99	3,061	3,738	298	384
25-34	374	3,732	231	1,839	740	75	3,156	3,016	392	405
35-44	294	3,294	261	1,309	526	65	3,146	2,954	228	340
45-54	200	2,521	248	869	472	57	2,503	2,901	166	211
55-64	109	1,499	238	548	351	62	1,517	2,107	133	199
65-74	66	691	169	328	201	34	925	1,087	96	109
75-84	26	192	96	127	60	10	330	331	36	27
85+	7	49	22	31	9	3	68	88	16	11
TOTAL	2,583	24,856	2,476	11,305	4,536	579	22,905	24,515	1,954	2,814
65+	99	932	243	486	270	47	1,323	1,506	148	141

TABLE 2 SMSA 1960 LIVE BIRTHS AND 1960 CENSUS ENUMERATION BY AGE, COLOR AND SEX

YOUNGSTN OHIO		ALL SMSA
	MALE WHITE	
5,380	BIRTHS	1,176,916
26,883	0-4	5,608,738
67,083	5-14	9,603,761
25,306	15-24	6,326,505
28,972	25-34	6,930,763
34,350	35-44	6,947,775
26,249	45-54	5,813,606
18,670	55-64	4,318,236
14,149	65-74	2,812,298
5,462	75-84	1,036,461
626	85+	173,878
228,050	TOTAL	40,171,981
20,437	65+	4,022,637
	FEMALE WHITE	
5,006	BIRTHS	1,116,274
25,474	0-4	5,396,251
65,075	5-14	9,264,279
28,810	15-24	6,608,309
30,934	25-34	6,719,965
35,606	35-44	7,280,374
26,300	45-54	6,081,982
19,388	55-64	4,707,196
14,856	65-74	3,390,237
6,093	75-84	1,658,864
1,227	85+	311,689
293,882	TOTAL	51,215,146
22,176	65+	5,160,790
	MALE NON-WHITE	
784	BIRTHS	216,756
3,617	0-4	944,024
5,248	5-14	1,419,493
2,834	15-24	847,364
3,256	25-34	887,777
2,933	35-44	847,979
2,311	45-54	654,569
1,921	55-64	446,079
1,061	65-74	236,878
276	75-84	78,684
60	85+	15,198
23,297	TOTAL	6,378,045
1,377	65+	330,760
	FEMALE NON-WHITE	
656	BIRTHS	213,192
3,543	0-4	945,351
5,200	5-14	1,428,682
3,210	15-24	960,123
3,669	25-34	1,033,869
3,066	35-44	938,183
2,257	45-54	685,994
1,640	55-64	635,508
882	65-74	261,521
264	75-84	93,212
50	85+	21,493
23,777	TOTAL	6,824,026
1,196	65+	376,226

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
CONGENITAL MALFORMATIONS (I.S.C. 750-759)

MALE WHITE				FEMALE WHITE				S.M.S.A.	MALE NON-WHITE				FEMALE NON-WHITE			
-28 DAYS		-1 YR.		-28 DAYS		-1 YR.			-28 DAYS		-1 YR.		-28 DAYS		-1 YR.	
DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE		DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
11	2.46	17	3.80	11	2.46	14	3.14	ABILENE	1	3.70	2	7.41	0	0.00	0	0.00
53	3.14	74	4.39	40	2.53	50	3.17	AKRON	1	0.52	3	1.57	4	2.20	6	3.30
9	3.77	13	5.44	9	3.91	12	5.21	ALBANY GA	6	4.33	6	4.33	2	1.54	5	3.84
56	2.71	73	3.54	35	1.75	60	3.00	ALBANY NY	2	1.98	5	4.96	1	1.15	2	2.30
33	2.65	45	3.62	25	2.16	38	3.28	ALBUQUERQUE	0	0.00	0	0.00	2	3.00	2	3.00
37	2.51	59	4.00	31	2.30	49	3.63	ALLENTOWN	2	7.58	2	7.58	0	0.00	0	0.00
13	3.07	17	4.01	5	1.25	7	1.75	ALTOONA	0	0.00	0	0.00	0	0.00	0	0.00
13	2.18	20	3.36	13	2.27	20	3.49	AMARILLO	1	2.45	1	2.45	1	2.16	1	2.16
29	4.94	40	6.81	13	2.15	17	2.81	ANN ARBOR	1	1.87	1	1.87	0	0.00	4	6.94
9	2.41	12	3.21	7	2.02	9	2.60	ASHEVILLE	1	1.98	1	1.98	0	0.00	1	2.31
86	2.92	131	4.44	52	1.95	90	3.37	ATLANTA	18	1.61	40	3.58	18	1.67	29	2.69
11	3.09	15	4.21	7	2.10	10	3.00	ATLANTIC CITY	1	0.85	1	0.85	6	5.24	6	5.24
13	2.38	17	3.11	19	3.82	23	4.63	AUGUSTA	4	1.40	4	1.40	4	1.38	5	1.72
19	2.68	25	3.53	14	1.94	21	2.91	AUSTIN	2	1.63	3	2.44	2	1.88	2	1.88
31	2.87	44	4.07	21	2.09	32	3.19	BAKERSFIELD	0	0.00	2	1.83	1	0.87	2	1.75
136	2.96	206	4.48	105	2.44	169	3.93	BALTIMORE	34	1.78	57	2.99	40	2.11	60	3.16
9	1.40	14	2.17	19	3.08	29	4.70	BATON ROUGE	8	2.27	10	2.84	5	1.48	6	1.77
11	2.67	15	3.37	7	1.67	10	2.38	BAY CITY	0	0.00	0	0.00	0	0.00	0	0.00
19	2.07	25	2.72	14	1.75	23	2.88	BEAUMONT	6	2.01	9	3.01	5	1.55	6	1.87
12	4.15	16	5.53	3	0.97	7	2.27	BILLINGS	0	0.00	0	0.00	0	0.00	0	0.00
21	2.61	33	4.10	21	2.85	29	3.94	BINGHAMTON	0	0.00	0	0.00	0	0.00	0	0.00
38	2.70	54	3.83	25	1.91	48	3.68	BIRMINGHAM	20	2.22	31	3.44	17	1.82	27	2.89
262	2.54	383	3.71	225	2.30	327	3.34	BOSTON	9	1.94	15	3.24	3	0.69	8	1.84
57	2.71	85	4.43	41	2.19	61	3.25	BRIDGEPORT	2	1.22	8	4.87	1	0.56	3	1.67
25	2.88	36	4.15	25	2.99	35	4.19	BROCKTON	1	4.07	2	8.13	3	9.80	4	13.07
20	2.34	32	3.75	16	1.96	27	3.31	BROWNSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
101	2.36	166	3.88	87	2.15	143	3.54	BUFFALO	13	2.79	23	4.94	9	1.97	13	2.85
36	3.20	51	4.54	35	3.28	48	4.50	CANTON	3	3.60	4	4.80	1	1.39	2	2.67
8	1.46	14	2.59	8	1.49	14	2.60	CEDAR RAPIDS	0	0.00	0	0.00	0	0.00	0	0.00
10	2.30	18	4.14	10	2.56	13	3.33	CHAMPAIGN	0	0.00	2	6.54	0	0.00	0	0.00
16	2.53	22	3.49	6	1.00	10	1.67	CHARLESTON SC	4	0.97	8	1.94	5	1.26	9	2.26
20	2.32	36	4.17	23	2.88	36	4.50	CHARLESTON WVA	0	0.00	2	3.47	1	2.56	1	2.56
25	3.34	37	4.95	18	2.65	26	3.83	CHARLOTTE	11	3.39	11	3.39	3	0.92	7	2.14
20	2.50	33	4.12	26	3.36	37	4.78	CHATTANOOGA	10	4.35	12	5.22	1	0.46	5	2.32
449	2.46	671	3.67	340	1.95	559	3.20	CHICAGO	51	1.01	95	1.88	66	1.31	112	2.22
91	2.51	144	3.98	95	2.76	134	3.89	CINCINNATI	16	2.57	19	3.05	12	2.09	24	4.18
122	2.39	183	3.59	123	2.52	198	4.05	CLEVELAND	43	3.65	60	5.10	34	2.84	50	4.18
13	3.35	22	5.68	9	2.42	12	3.23	COLORADO SPNGS	3	25.00	3	25.00	1	5.21	1	5.21
14	2.24	20	3.20	10	1.73	16	2.76	COLUMBIA	6	1.69	13	3.65	5	1.50	10	3.00
26	3.74	37	5.32	8	1.29	12	1.93	COLUMBUS GA	5	1.67	8	2.67	4	1.34	7	2.35
58	2.44	87	3.67	52	2.26	73	3.17	COLUMBUS OHIO	6	1.50	10	2.50	9	2.34	13	3.38
21	2.19	35	3.65	27	2.94	45	4.90	CORPUS CHRISTI	0	0.00	2	4.12	0	0.00	1	1.87
88	2.58	124	3.63	96	2.98	131	4.07	DALLAS	13	1.45	19	2.13	18	2.11	29	3.39
29	2.97	42	4.31	24	2.55	34	3.61	DAVENPORT	0	0.00	0	0.00	0	0.00	0	0.00
58	2.50	80	3.44	49	2.17	71	3.15	DAYTON	13	4.10	20	6.31	7	2.05	11	3.22
10	2.59	15	3.89	5	1.30	10	2.59	DECATUR	0	0.00	0	0.00	2	7.58	3	11.36
83	2.44	127	3.74	59	1.76	103	3.08	DENVER	4	2.12	6	3.17	0	0.00	3	1.56
28	2.83	38	3.84	16	1.72	28	3.01	DES MOINES	2	3.14	3	4.72	1	2.01	1	2.01
341	2.90	505	4.30	233	2.07	392	3.48	DETROIT	53	2.23	84	3.53	36	1.52	62	2.62
14	3.79	18	4.87	8	2.40	13	3.90	DUBUQUE	0	0.00	0	0.00	0	-	0	-
25	2.67	38	4.06	22	2.32	30	3.16	DULUTH	1	5.56	1	5.56	0	0.00	0	0.00
7	2.76	10	3.94	6	2.83	9	4.25	DURHAM	4	2.73	5	3.42	1	0.71	3	2.13
54	2.81	77	4.01	33	1.76	45	2.39	EL PASO	0	0.00	1	1.50	0	0.00	0	0.00
30	3.56	37	4.39	24	2.94	38	4.66	ERIE	1	2.19	2	4.39	2	4.33	3	6.49
13	2.15	22	3.63	13	2.31	22	3.91	EUGENE	1	15.15	1	15.15	0	0.00	0	0.00
25	3.80	33	5.02	17	2.80	23	3.79	EVANSVILLE	2	3.33	2	3.33	0	0.00	0	0.00
26	2.11	47	3.82	17	1.49	25	2.19	FALL RIVER	1	2.98	1	2.98	0	0.00	0	0.00
13	2.85	17	3.72	16	3.80	22	5.22	FARGO	0	0.00	0	0.00	0	0.00	1	3.47
37	2.66	60	4.31	33	2.49	53	4.00	FLINT	8	3.73	14	6.54	0	0.00	0	0.00
18	2.33	34	4.41	15	1.97	20	2.63	FT. LAUDERDALE	5	2.42	10	2.85	5	2.30	7	3.22
6	2.68	6	2.68	3	1.47	5	2.45	FORT SMITH	1	5.56	1	5.56	4	1.10	10	2.75
18	2.14	25	2.97	18	2.18	25	3.03	FORT WAYNE	3	3.97	3	3.97	0	0.00	1	4.63
55	2.96	73	3.92	48	2.75	65	3.73	FORT WORTH	6	1.90	13	4.13	1	1.23	1	1.23
27	2.12	42	3.30	27	2.18	38	3.07	FRESNO	3	2.42	5	4.03	5	1.78	11	3.91
9	3.55	13	5.12	7	2.79	9	3.59	GADSDEN	1	1.54	2	3.09	3	2.27	5	3.79
12	3.11	16	4.14	9	2.40	15	4.00	GALVESTON	5	3.74	7	5.23	1	1.62	2	3.24
46	2.35	75	3.83	54	2.89	77	4.12	GARY	14	3.17	20	4.53	2	1.51	4	3.02
43	3.13	60	4.36	25	1.89	37	2.80	GRAND RAPIDS	1	1.15	3	3.45	12	2.71	19	4.30
7	2.00	11	3.15	7	2.27	12	3.89	GREAT FALLS	0	0.00	0	0.00	1	1.11	2	2.22
20	3.57	26	4.64	20	3.70	30	5.54	GREEN BAY	0	0.00	0	0.00	2	9.80	2	9.80
21	3.01	34	4.87	17	2.59	22	3.36	GREENSBORO	6	2.53	9	3.79	0	0.00	0	0.00
15	2.31	21	3.24	19	3.47	24	4.14	GREENVILLE	7	4.02	11	6.32	1	0.45	4	1.80
16	2.14	26	3.48	12	1.79	16	2.39	HAMILTON	2	3.58	2	3.58	6	3.10	8	4.13
29	2.73	41	3.87	26	2.64	33	3.35	HARRISBURG	2	1.67	4	3.33	2	4.90	2	4.90
56	2.46	80	3.52	58	2.67	82	3.78	HARTFORD	1	0.64	5	3.21	3	2.67	3	2.67
14	1.79	23	2.95	16	2.27	21	2.98	HONOLULU	30	2.04	51	3.46	5	3.22	10	6.44
78	2.04	128	3.34	66	1.87	112	3.17	HOUSTON	23	1.69	54	3.83	20	1.43	41	2.93
25	3.05	33	4.02	30	3.94	40	5.25	HUNTINGTON	1	3.62	1	3.62	26	2.03	65	3.51
14	3.15	19	4.27	12	2.90	17	4.11	HUNTSVILLE	0	0.00	0	0.00	0	0.00	1	3.55
56	2.36	91	3.84	49	2.22	83	3.76	INDIANAPOLIS	13	2.37	20	3.65	3	2.98	4	3.97
9	1.92	15	3.21	10	2.28	13	2.96	JACKSON MICH	2	10.10	3	15.15	11	2.11	21	4.03
10	2.27	15	3.40	10	2.47	13	3.21	JACKSON MISS	11	2.43	14	3.09	1	4.39	1	4.39
48	3.45	75	5.38	28	2.13	46	3.49	JACKSONVILLE	15	2.88	23	4.42	2	0.48	2	0.48
61	3.45	89	5.04	42	2.57	67	4.10	JERSEY CITY	4	1.53	6	2.29	11	2.11	18	3.46
24	2.68	26	2.90	24	2.84	35	4.15	JOHNSTOWN	1	4.63	1	4.63	8	2.93	9	3.30
14	2.22	25	3.97	15	2.55	21	3.58	KALAMAZOO	2	6.2-	3	9.43	0	0.00	1	5.95
106	3.07	161	4.66	62	1.88	105	3.19	KANSAS CITY	10	1.44	20	2.88	1	3.27	3	9.80
15	3.77	22	5.53	10	2.39	17	4.07	KENOSHA	0	0.00	0	0.00	12	2.23	22	3.77
33	2.89	52	4.55	22	1.96	35	3.11	KNOXVILLE	1	0.88	2	1.76	0	0.00	0	0.00
14	2.57	16	2.93	6	1.23	11	2.26	LAKE CHARLES	1	0.58	1	0.58	4	3.62	4	3.62
23	2.35	39	3.98	18	1.99	28	3.10	LANCASTER	1	7.58	1	7.58	1	0.55	6	3.31
31	2.72	42	3.68	24	2.13	35	3.11	LANSING	0	0.00	0	0.00	1	7.25	1	7.25
15	3.59	21	5.03	7	1.79	10	2.56	LAREDO	0	0.00	0	0.00	1	2.25	3	6.76
12	2.62	14	3.05	11	2.53	18	4.14	LAS VEGAS	2	2.30	2	2.30	0	0.00	0	0.00
15	3.84	22	5.63	8	2.21	11	3.04	LAWTON	1	1.33	1	1.33	4	4.66	6	6.99
10	2.34	16	3.75	6	1.60	7	1.87	LEXINGTON	3	3.33	4	4.44	0	0.00	1	1.24
7	2.02	14	4.04	10	2.88	13	3.75	LIMA	0	0.00	1	3.03	2	2.18	2	2.18
23	3.46	35	5.27	13	2.19	27	4.54	LINCOLN	0	0.00	1	5.56	0	0.00	0	0.00
25	3.55	32	4.55	18	2.94	24	3.38	LITTLE ROCK	3	1.08	7	2.51	0	0.00	1	4.63
18	2.26	31	3.89	15	2.03	26	3.51	LORAIN	1	1.36	1	1.36	2	0.73	4	1.46
536	2.57	785	3.76	411	2.07	621	3.12	LOS ANGELES	62	2.04	106	3.35	1	1.67	1	1.67

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
CONGENITAL MALFORMATIONS (I.S.C. 750-759)

MALE WHITE -28 DAYS		MALE WHITE -1 YR.		FEMALE WHITE -28 DAYS		FEMALE WHITE -1 YR.		S.M.S.A.	MALE NON-WHITE -28 DAYS		MALE NON-WHITE -1 YR.		FEMALE NON-WHITE -28 DAYS		FEMALE NON-WHITE -1 YR.	
DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE		DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
66	2.63	103	4.11	52	2.22	87	3.71	LOUISVILLE	8	1.98	12	2.98	2	0.52	7	1.83
28	4.22	40	6.03	10	1.58	21	3.31	LUBBOCK	1	1.46	1	1.46	2	2.82	2	2.82
11	3.80	13	4.50	11	4.04	12	4.41	LYNCHBURG	2	2.10	4	4.19	3	2.72	5	4.53
18	3.77	[illegible]	5.03	8	1.82	14	3.19	MACON	6	2.04	11	3.73	6	2.12	9	3.18
22	2.27	31	3.83	18	2.00	27	3.00	MADISON	0	0.00	0	0.00	0	0.00	1	6.94
13	2.09	21	3.37	19	3.01	21	3.32	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
43	3.07	53	3.78	28	2.17	45	3.48	MEMPHIS	25	2.21	34	3.00	13	1.11	28	2.39
66	2.96	100	4.49	49	2.16	65	3.12	MIAMI	15	1.95	24	3.13	20	2.49	33	4.11
9	3.69	9	3.69	4	1.63	7	2.85	MIDLAND	0	0.00	1	3.21	0	0.00	0	0.00
114	2.61	171	3.91	93	2.27	139	3.39	MILWAUKEE	13	3.06	16	3.77	3	0.69	11	2.51
167	2.70	227	3.67	121	2.10	197	3.42	MINNEAPOLIS	2	1.40	3	2.10	1	0.67	4	2.69
20	2.35	26	3.06	20	2.55	31	3.95	MOBILE	6	1.15	11	2.11	6	1.13	9	1.70
5	1.89	10	3.78	4	1.65	6	2.47	MONROE	4	2.53	6	3.79	3	1.75	6	3.50
10	3.00	14	4.20	7	2.16	13	4.01	MONTGOMERY	6	2.04	11	3.75	3	0.94	10	3.13
15	4.03	18	4.83	6	1.64	10	2.73	MUNCIE	3	10.87	3	10.87	0	0.00	0	0.00
17	3.04	23	4.12	13	2.44	22	4.13	MUSKEGON	4	4.98	5	6.22	1	1.44	4	5.75
22	1.90	35	3.02	34	3.04	48	4.29	NASHVILLE	6	1.88	15	4.71	5	1.53	12	3.67
111	2.57	171	3.97	106	2.51	163	3.86	NEWARK	34	3.00	46	4.06	20	1.84	28	2.57
59	2.84	82	3.94	51	2.67	68	3.56	NEW HAVEN	5	2.58	7	3.61	3	1.71	6	3.42
56	2.53	77	3.48	53	2.54	78	3.73	NEW ORLEANS	46	3.26	86	6.10	28	2.11	59	4.44
32	4.77	40	5.97	14	2.49	21	3.13	NEWPORT	7	2.51	13	4.67	7	2.44	12	4.18
704	2.55	1,114	4.03	539	2.05	874	3.32	NEW YORK	119	2.04	196	3.36	82	1.38	167	2.82
48	2.81	76	4.45	49	2.97	73	4.43	NORFOLK	19	2.63	32	4.42	13	1.83	27	3.79
8	2.13	14	3.73	5	1.44	8	2.30	ODESSA	0	0.00	0	0.00	0	0.00	2	8.55
4	0.86	11	2.35	16	3.56	18	4.00	OGDEN	0	0.00	0	0.00	0	0.00	0	0.00
50	2.91	72	4.19	34	2.13	47	2.95	OKLAHOMA CITY	3	1.11	6	2.21	5	1.78	7	2.50
49	2.70	70	3.85	39	2.29	61	3.58	OMAHA	7	3.97	10	5.67	1	0.57	1	0.57
26	2.63	35	3.54	15	1.51	22	2.21	ORLANDO	6	2.11	8	2.81	2	0.73	4	1.46
90	2.64	[illegible]	4.26	76	2.30	117	3.54	PATERSON	3	1.16	4	1.54	3	1.42	5	2.37
14	1.94	24	3.33	16	2.18	25	3.40	PENSACOLA	4	1.69	5	2.12	5	2.31	6	2.77
32	3.19	44	4.38	19	1.90	27	2.70	PEORIA	4	6.12	4	6.12	0	0.00	0	0.00
325	2.71	487	4.06	229	2.01	357	3.13	PHILADELPHIA	81	2.63	126	4.10	50	1.64	92	3.01
68	2.63	106	4.10	52	2.26	77	3.35	PHOENIX	4	1.67	6	2.51	3	1.36	4	1.81
190	2.65	281	3.93	167	2.44	243	3.55	PITTSBURGH	12	1.75	18	2.63	15	2.24	21	3.13
13	2.68	19	3.92	8	1.78	12	2.67	PITTSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
17	2.69	23	3.64	15	2.34	23	3.59	PORTLAND MAINE	0	0.00	0	0.00	0	0.00	0	0.00
75	2.95	106	4.17	52	2.15	78	3.23	PORTLAND OREG.	5	4.01	5	4.01	0	0.00	2	1.78
73	3.27	107	4.79	62	2.89	95	4.43	PROVIDENCE	1	1.19	2	2.38	1	1.17	1	1.17
12	2.45	12	2.45	7	1.44	14	2.89	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
11	2.57	18	4.21	7	1.64	14	3.27	PUEBLO	0	0.00	0	0.00	0	0.00	0	0.00
12	2.13	20	3.54	8	1.59	13	2.58	RACINE	1	2.53	2	5.05	1	2.14	1	2.14
17	3.82	23	5.17	7	1.75	8	2.00	RALEIGH	2	1.11	3	1.67	4	2.18	9	4.90
25	3.20	32	4.09	20	2.65	27	3.57	READING	0	0.00	0	0.00	0	0.00	1	3.88
5	1.64	8	2.62	3	1.07	5	1.78	RENO	1	3.40	1	3.40	0	0.00	0	0.00
21	2.07	33	3.25	16	1.69	29	3.06	RICHMOND	5	1.13	7	1.59	17	3.84	22	4.98
10	2.37	16	3.80	16	3.73	22	5.13	ROANOKE	4	5.60	4	5.60	1	1.44	3	4.31
42	2.18	55	2.86	28	1.59	48	2.73	ROCHESTER	1	0.65	7	4.52	3	2.02	7	4.70
39	4.66	50	5.98	20	2.69	26	3.49	ROCKFORD	2	4.12	3	6.17	1	2.38	1	2.38
48	2.57	78	4.17	37	2.07	50	2.80	SACRAMENTO	5	2.65	10	5.29	1	0.47	2	0.95
23	3.32	36	5.19	21	3.13	30	4.47	SAGINAW	2	1.96	3	2.94	5	4.93	6	5.92
9	3.07	12	4.09	5	1.77	10	3.53	ST. JOSEPH	0	0.00	0	0.00	0	0.00	0	0.00
172	2.70	235	3.69	110	1.81	170	2.80	ST. LOUIS	30	1.94	48	3.11	13	0.87	29	1.94
40	2.28	67	3.83	36	2.18	51	3.08	SALT LAKE CITY	1	4.63	1	4.63	0	0.00	1	5.95
6	2.50	8	3.33	7	2.92	10	4.18	SAN ANGELO	0	0.00	0	0.00	1	4.50	1	4.50
73	2.58	117	4.14	70	2.64	117	4.41	SAN ANTONIO	3	1.37	5	2.28	2	0.97	3	1.45
68	2.35	103	3.56	67	2.49	97	3.61	SAN BERNARDINO	5	2.20	7	3.08	4	2.05	4	2.05
113	3.06	150	4.06	85	2.34	131	3.60	SAN DIEGO	7	1.78	17	4.31	3	0.85	5	1.42
244	3.09	329	4.17	141	1.89	224	3.01	SAN FRANCISCO	29	1.76	50	3.04	29	1.78	47	2.89
53	2.02	77	2.94	57	2.38	78	3.25	SAN JOSE	5	4.21	6	5.05	3	2.96	4	3.94
14	2.22	22	3.50	11	1.83	14	2.33	SANTA BARBARA	1	3.33	2	6.67	0	0.00	0	0.00
18	3.36	27	5.04	15	2.90	19	3.68	SAVANNAH	4	1.43	6	2.15	3	1.02	4	1.36
27	4.18	35	5.42	21	3.38	40	6.44	SCRANTON	0	0.00	0	0.00	0	0.00	0	0.00
90	2.69	134	3.71	63	[illegible]	98	2.78	SEATTLE	6	2.48	10	4.13	2	0.77	6	2.31
12	1.76	22	3.26	26	4.65	41	6.71	SHREVEPORT	16	3.44	20	4.30	3	0.62	6	1.25
15	3.58	20	4.78	5	1.35	10	2.70	SIOUX CITY	0	0.00	0	0.00	0	0.00	0	0.00
6	1.65	11	3.03	9	2.51	15	4.18	SIOUX FALLS	0	0.00	0	0.00	0	0.00	0	0.00
15	2.06	23	3.16	13	1.82	19	2.66	SOUTH BEND	1	1.17	1	1.17	3	4.00	5	6.67
21	2.09	29	2.89	21	2.28	31	3.37	SPOKANE	0	0.00	1	3.55	3	10.20	4	13.61
14	2.73	20	3.89	16	3.42	26	5.56	SPRINGFIELD I.	1	3.62	1	3.62	2	6.29	4	14.58
7	1.68	13	3.13	11	3.07	13	3.62	SPRINGFIELD MO	0	0.00	1	10.42	0	0.00	0	0.00
4	0.98	8	1.96	13	3.45	16	4.25	SPRINGFIELD O.	1	2.25	2	4.50	0	0.00	0	0.00
56	3.28	80	4.68	41	2.52	63	3.87	SPRINGFIELD MA	1	1.13	2	2.27	2	2.12	2	2.12
20	3.69	24	4.43	19	3.81	28	5.62	STEUBENVILLE	1	3.97	1	3.97	0	0.00	2	7.75
13	1.73	23	3.05	13	1.90	24	3.50	STOCKTON	1	1.10	2	2.19	1	1.02	2	2.04
52	2.51	74	3.58	35	1.79	62	3.17	SYRACUSE	2	2.11	4	4.22	0	0.00	1	1.32
30	2.72	42	3.80	25	2.35	32	3.00	TACOMA	3	2.63	4	3.51	0	0.00	3	2.40
56	2.98	76	4.04	50	2.76	64	3.53	TAMPA	8	1.78	14	3.11	10	2.16	16	3.46
9	2.87	17	5.42	6	1.89	10	3.16	TERRE HAUTE	1	4.90	1	4.90	1	4.39	1	4.39
4	2.20	5	2.75	11	6.13	11	6.13	TEXARKANA	2	2.18	3	3.27	0	0.00	0	0.00
35	2.47	59	4.16	39	2.83	56	4.06	TOLEDO	4	2.06	7	3.60	4	1.90	8	3.81
12	2.10	21	3.68	12	2.28	20	3.79	TOPEKA	2	3.97	2	3.97	1	1.96	2	3.92
11	1.65	14	2.10	14	2.07	24	3.56	TRENTON	6	3.61	6	3.61	3	1.69	7	3.94
21	2.10	34	3.40	16	1.62	27	2.74	TUCSON	3	3.40	5	5.67	1	1.24	2	2.49
26	2.03	45	3.51	34	2.89	43	3.66	TULSA	7	3.80	8	4.34	3	1.74	3	1.74
8	3.31	11	4.55	5	2.02	6	2.42	TUSCALOOSA	2	1.44	4	2.89	2	1.61	3	2.42
2	1.00	2	1.00	1	0.53	3	1.59	TYLER	1	0.84	2	1.68	0	0.00	1	1.00
55	4.81	73	6.39	33	2.92	[illegible]	4.52	UTICA	1	2.92	2	5.85	2	5.38	2	5.38
11	2.49	14	3.17	14	3.57	22	5.61	WACO	1	0.90	4	3.60	1	0.85	2	1.71
162	2.02	243	4.39	128	2.45	188	3.60	WASHINGTON	37	1.49	78	3.15	40	1.68	87	3.66
9	1.83	14	2.85	11	2.42	14	3.08	WATERLOO	0	0.00	0	0.00	2	5.46	2	5.46
13	2.68	19	3.92	12	2.64	13	2.85	W. PALM BEACH	5	1.89	9	3.39	4	1.69	10	4.22
22	3.80	31	5.35	22	3.94	27	4.84	WHEELING	0	0.00	1	5.21	0	0.00	0	0.00
39	3.03	51	3.96	32	2.71	39	3.31	WICHITA	2	1.46	8	5.82	2	1.33	3	2.00
18	3.78	22	4.62	10	2.21	14	3.09	WICHITA FALLS	0	0.00	1	2.01	3	6.02	3	6.02
36	3.91	49	5.33	19	2.16	32	3.64	WILKES-BARRE	0	0.00	0	0.00	1	15.15	1	15.15
32	2.73	44	3.75	28	2.59	37	3.42	WILMINGTON	10	4.57	15	6.85	3	1.37	3	1.37
19	3.58	24	4.52	12	2.52	22	4.61	WINSTON-SALEM	1	0.48	3	1.45	3	1.54	3	1.54
44	2.15	66	3.22	50	2.68	69	3.70	WORCESTER	0	0.00	0	0.00	0	0.00	1	5.75
23	2.94	35	4.48	14	1.94	16	2.22	YORK	0	0.00	0	0.00	1	3.47	2	6.94
52	3.22	75	4.65	42	2.80	70	4.66	YOUNGSTOWN	4	1.70	11	4.68	7	3.56	13	6.61
9,439	2.67	13,949	3.95	7,909	2.24	11,463	3.42	TOTAL 201 SMSA	1,337	2.06	2,192	3.37	1,062	1.66	1,881	2.94

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
BIRTH INJURY (I.S.C. 760,761)

MALE WHITE -28 DAYS DEATHS	MALE WHITE -28 DAYS RATE	MALE WHITE -1 YR. DEATHS	MALE WHITE -1 YR. RATE	FEMALE WHITE -28 DAYS DEATHS	FEMALE WHITE -28 DAYS RATE	FEMALE WHITE -1 YR. DEATHS	FEMALE WHITE -1 YR. RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	MALE NON-WHITE -28 DAYS RATE	MALE NON-WHITE -1 YR. DEATHS	MALE NON-WHITE -1 YR. RATE	FEMALE NON-WHITE -28 DAYS DEATHS	FEMALE NON-WHITE -28 DAYS RATE	FEMALE NON-WHITE -1 YR. DEATHS	FEMALE NON-WHITE -1 YR. RATE
18	4.03	18	4.03	5	1.12	5	1.12	ABILENE	0	0.00	0	0.00	0	0.00	0	0.00
65	3.85	65	3.85	31	1.96	31	1.96	AKRON	12	6.27	14	6.27	9	4.95	9	4.95
6	2.51	6	2.51	2	0.87	2	0.87	ALBANY GA	4	2.89	4	2.89	2	1.56	2	1.56
52	2.52	52	2.52	41	2.05	41	2.05	ALBANY NY	4	3.97	4	3.97	3	3.45	3	3.45
34	2.73	34	2.73	19	1.64	19	1.64	ALBUQUERQUE	0	0.00	0	0.00	0	0.00	0	0.00
36	2.44	36	2.44	13	0.96	13	0.96	ALLENTOWN	2	7.58	2	7.58	1	5.95	1	5.95
21	4.98	21	4.98	16	3.99	16	3.99	ALTOONA	0	0.00	0	0.00	0	0.00	0	0.00
19	3.19	19	3.19	16	2.44	16	2.44	AMARILLO	2	4.90	2	4.90	1	2.16	1	2.16
18	3.06	18	3.06	12	1.99	12	1.99	ANN ARBOR	1	1.87	1	1.87	1	1.76	1	1.76
5	1.34	5	1.34	8	2.31	8	2.31	ASHEVILLE	0	0.00	0	0.00	4	9.26	4	9.26
77	2.61	77	2.61	42	1.57	42	1.57	ATLANTA	26	2.15	26	2.15	12	1.11	12	1.11
12	3.37	12	3.37	14	4.20	14	4.20	ATLANTIC CITY	5	4.27	5	4.27	3	2.62	3	2.62
10	1.83	10	1.83	0	0.00	0	0.00	AUGUSTA	8	2.80	8	2.80	6	2.07	6	2.07
15	2.12	15	2.12	9	1.25	10	1.38	AUSTIN	5	4.07	5	4.07	1	0.94	1	0.94
26	2.41	26	2.41	15	1.50	15	1.50	BAKERSFIELD	3	2.75	3	2.75	0	0.00	0	0.00
122	2.66	123	2.68	68	1.58	69	1.60	BALTIMORE	65	3.41	65	3.41	32	1.69	32	1.69
5	0.78	5	0.78	4	0.65	4	0.65	BATON ROUGE	19	5.39	19	5.39	7	2.07	7	2.07
9	2.02	9	2.02	6	1.43	6	1.43	BAY CITY	0	0.00	0	0.00	0	0.00	0	0.00
21	2.29	21	2.29	16	2.00	16	2.00	BEAUMONT	18	6.02	18	6.02	8	2.49	8	2.49
7	2.42	7	2.42	6	1.96	6	1.96	BILLINGS	0	0.00	0	0.00	0	0.00	0	0.00
19	2.36	19	2.36	12	1.63	12	1.63	BINGHAMTON	0	0.00	0	0.00	0	0.00	0	0.00
35	2.48	35	2.48	19	1.46	19	1.46	BIRMINGHAM	22	2.46	22	2.46	19	2.06	20	2.14
198	1.92	200	1.94	129	1.32	129	1.32	BOSTON	14	3.02	14	3.02	9	2.07	9	2.07
43	2.24	43	2.24	29	1.55	29	1.55	BRIDGEPORT	8	4.87	8	4.87	4	2.22	4	2.22
19	2.19	19	2.19	11	1.32	11	1.32	BROCKTON	2	8.13	2	8.13	1	3.27	1	3.27
25	2.93	25	2.93	16	1.96	16	1.96	BROWNSVILLE	0	0.00	0	0.00	1	15.19	1	15.15
153	3.58	154	3.60	104	2.57	104	2.57	BUFFALO	28	6.01	28	6.01	25	5.48	25	5.48
33	2.93	33	2.93	30	2.81	30	2.81	CANTON	3	3.60	3	3.60	2	2.67	2	2.67
15	2.73	15	2.73	9	1.67	9	1.67	CEDAR RAPIDS	1	16.67	1	16.67	0	0.00	0	0.00
3	0.69	3	0.69	11	2.82	11	2.82	CHAMPAIGN	3	9.80	3	9.80	0	0.00	0	0.00
10	1.58	10	1.58	17	2.84	17	2.84	CHARLESTON SC	3	0.73	3	0.73	6	1.91	6	1.91
10	1.16	10	1.16	8	1.00	8	1.00	CHARLESTON WVA	1	1.76	1	1.76	1	2.56	1	2.56
23	3.07	23	3.07	17	2.51	17	2.51	CHARLOTTE	15	4.62	15	4.62	7	2.14	7	2.14
17	2.12	17	2.12	17	2.20	17	2.20	CHATTANOOGA	8	3.48	8	3.48	6	2.79	6	2.79
438	2.40	438	2.40	252	1.44	252	1.44	CHICAGO	83	1.64	83	1.64	40	1.10	60	1.19
114	3.15	114	3.15	59	1.71	59	1.71	CINCINNATI	32	5.13	32	5.13	23	4.01	23	4.01
166	3.26	166	3.26	139	2.85	139	2.85	CLEVELAND	48	4.08	48	4.08	20	1.67	20	1.67
22	5.68	22	5.68	15	4.03	15	4.03	COLORADO SPNGS	0	0.00	0	0.00	1	5.21	1	5.21
11	1.76	11	1.76	7	1.21	7	1.21	COLUMBIA	10	2.81	10	2.81	7	2.10	7	2.10
12	1.73	12	1.73	7	1.13	7	1.13	COLUMBUS GA	7	2.33	7	2.33	3	1.01	3	1.01
64	2.70	64	2.70	50	2.17	50	2.17	COLUMBUS OHIO	15	3.75	15	3.75	10	2.60	10	2.60
34	3.54	34	3.54	17	1.85	17	1.85	CORPUS CHRISTI	2	4.12	2	4.12	3	5.62	3	5.62
98	2.87	98	2.87	63	1.96	63	1.96	DALLAS	17	1.90	17	1.90	9	1.05	10	1.17
25	2.56	25	2.56	13	1.38	13	1.38	DAVENPORT	2	5.75	2	5.75	0	0.00	0	0.00
68	2.93	68	2.93	38	1.69	38	1.69	DAYTON	19	6.00	19	6.00	13	3.80	13	3.80
7	1.81	7	1.81	9	2.33	9	2.33	DECATUR	0	0.00	0	0.00	1	3.79	1	3.79
115	3.38	116	3.41	64	1.91	64	1.91	DENVER	8	4.23	8	4.23	7	3.63	7	3.63
23	2.32	23	2.32	16	1.72	16	1.72	DES MOINES	4	6.29	4	6.29	0	0.00	0	0.00
367	3.12	367	3.12	264	2.34	265	2.35	DETROIT	98	4.12	98	4.12	76	3.22	76	3.22
11	2.98	11	2.98	4	1.20	4	1.20	DUBUQUE	0	0.00	0	0.00	0	-	0	-
34	3.63	34	3.63	15	1.58	15	1.58	DULUTH	0	0.00	0	0.00	1	8.77	1	8.77
3	1.18	3	1.18	2	0.94	2	0.94	DURHAM	10	6.83	10	6.83	2	1.42	2	1.42
54	2.81	54	2.81	29	1.54	29	1.54	EL PASO	1	1.50	1	1.50	0	0.00	0	0.00
44	5.22	44	5.22	33	4.05	33	4.05	ERIE	1	2.19	1	2.19	4	8.66	4	8.66
23	3.80	23	3.80	8	1.42	8	1.42	EUGENE	1	15.15	1	15.15	0	0.00	0	0.00
27	4.11	27	4.11	9	1.48	9	1.48	EVANSVILLE	3	5.00	3	5.00	1	1.56	1	1.56
25	2.03	25	2.03	12	1.05	12	1.05	FALL RIVER	1	2.98	1	2.98	0	0.00	0	0.00
6	1.31	6	1.31	12	2.85	12	2.85	FARGO	1	27.78	1	27.78	0	0.00	0	0.00
50	3.59	50	3.59	30	2.27	30	2.27	FLINT	13	6.07	13	6.07	10	4.60	10	4.60
15	1.95	15	1.95	7	0.92	7	0.92	FT. LAUDERDALE	13	3.70	13	3.70	7	1.92	7	1.92
2	0.89	2	0.89	1	0.49	1	0.49	FORT SMITH	1	5.56	1	5.56	1	4.63	1	4.63
23	2.73	23	2.73	22	2.67	22	2.67	FORT WAYNE	2	2.65	2	2.65	0	0.00	0	0.00
49	2.63	49	2.63	26	1.49	26	1.49	FORT WORTH	10	3.17	10	3.17	4	1.42	4	1.42
28	2.20	28	2.20	24	1.94	24	1.94	FRESNO	5	4.03	5	4.03	2	1.52	2	1.52
11	4.33	11	4.33	5	1.99	5	1.99	GADSDEN	6	9.26	6	9.26	5	8.09	5	8.09
10	2.59	10	2.59	8	2.13	8	2.13	GALVESTON	3	2.24	3	2.24	3	2.26	3	2.26
43	2.19	44	2.29	21	1.12	21	1.12	GARY	13	2.94	13	2.94	4	0.90	4	0.90
32	2.33	32	2.33	20	1.51	20	1.51	GRAND RAPIDS	4	4.60	4	4.60	4	4.44	4	4.44
10	2.86	10	2.86	4	1.30	4	1.30	GREAT FALLS	1	5.56	1	5.56	0	0.00	0	0.00
14	2.50	14	2.50	14	2.59	14	2.59	GREEN BAY	0	0.00	0	0.00	0	0.00	0	0.00
21	3.01	21	3.01	21	3.21	21	3.21	GREENSBORO	7	2.95	7	2.95	4	1.80	4	1.80
17	2.62	17	2.62	7	1.21	7	1.21	GREENVILLE	7	4.02	7	4.02	1	0.52	1	0.52
27	3.61	27	3.61	18	2.69	18	2.69	HAMILTON	2	3.58	2	3.58	0	0.00	0	0.00
20	1.89	20	1.89	11	1.12	11	1.12	HARRISBURG	2	1.67	2	1.67	3	2.67	3	2.67
62	2.73	62	2.73	22	1.01	22	1.01	HARTFORD	4	2.56	4	2.56	4	2.57	4	2.57
12	1.54	12	1.54	8	1.14	8	1.14	HONOLULU	39	2.65	40	2.72	32	2.29	32	2.29
91	2.37	92	2.40	66	1.87	66	1.87	HOUSTON	39	2.87	39	2.87	27	2.10	27	2.10
23	2.80	23	2.80	13	1.71	13	1.71	HUNTINGTON	1	3.62	1	3.62	0	0.00	0	0.00
13	2.92	13	2.92	3	0.73	3	0.73	HUNTSVILLE	3	2.36	3	2.36	1	0.99	1	0.99
44	1.86	44	1.86	21	0.95	21	0.95	INDIANAPOLIS	18	3.28	18	3.28	6	1.15	6	1.15
15	3.21	15	3.21	5	1.14	5	1.14	JACKSON MICH	0	0.00	0	0.00	1	4.39	1	4.39
10	2.27	10	2.27	5	1.23	5	1.23	JACKSON MISS	10	2.21	10	2.21	4	0.96	4	0.96
26	1.87	26	1.87	15	1.14	15	1.14	JACKSONVILLE	8	1.56	8	1.56	5	0.96	6	1.15
37	2.09	37	2.09	16	0.98	16	0.98	JERSEY CITY	10	3.82	10	3.82	4	1.47	4	1.47
40	4.67	40	4.67	20	2.37	20	2.37	JOHNSTOWN	0	0.00	0	0.00	0	0.00	0	0.00
17	2.70	17	2.70	8	1.02	8	1.02	KALAMAZOO	2	6.29	2	6.29	1	3.27	1	3.27
68	1.97	68	1.97	44	1.33	44	1.33	KANSAS CITY	12	1.73	12	1.73	8	1.37	8	1.37
11	2.77	11	2.77	6	1.44	6	1.44	KENOSHA	0	0.00	0	0.00	2	23.81	2	23.81
17	1.49	17	1.49	29	2.58	29	2.58	KNOXVILLE	1	0.88	1	0.88	1	0.91	1	0.91
27	4.95	27	4.95	11	2.26	11	2.26	LAKE CHARLES	6	3.46	6	3.46	3	1.66	3	1.66
16	1.63	16	1.63	5	0.55	5	0.55	LANCASTER	0	0.00	0	0.00	1	7.25	1	7.25
33	2.89	33	2.89	28	2.49	28	2.49	LANSING	1	2.31	1	2.31	0	0.00	0	0.00
20	4.79	20	4.79	6	1.56	6	1.56	LAREDO	0	0.00	0	0.00	0	0.00	0	0.00
21	4.58	21	4.58	9	2.07	9	2.07	LAS VEGAS	3	3.45	3	3.45	2	2.33	2	2.33
7	1.79	7	1.79	2	0.55	2	0.55	LAWTON	2	2.67	2	2.67	1	1.24	1	1.24
8	1.88	8	1.88	3	0.80	3	0.80	LEXINGTON	3	3.33	3	3.33	2	2.18	2	2.18
6	1.73	6	1.73	7	2.02	7	2.02	LIMA	0	0.00	0	0.00	1	2.60	1	2.60
17	2.56	17	2.56	15	2.52	15	2.52	LINCOLN	1	5.56	1	5.56	0	0.00	0	0.00
5	0.71	5	0.71	3	0.42	3	0.42	LITTLE ROCK	6	2.15	6	2.15	12	4.39	12	4.39
33	4.14	33	4.14	25	3.38	26	3.51	LORAIN	3	4.07	3	4.07	3	5.00	3	5.00
739	3.54	739	3.54	502	2.93	503	2.93	LOS ANGELES	131	4.30	131	4.30	107	3.66	108	3.69

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
BIRTH INJURY (I.S.C. 760.761)

MALE WHITE -28 DAYS DEATHS	RATE	MALE WHITE -1 YR. DEATHS	RATE	FEMALE WHITE -28 DAYS DEATHS	RATE	FEMALE WHITE -1 YR. DEATHS	RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	RATE	MALE NON-WHITE -1 YR. DEATHS	RATE	FEMALE NON-WHITE -28 DAYS DEATHS	RATE	FEMALE NON-WHITE -1 YR. DEATHS	RATE
58	2.31	58	2.31	40	1.71	41	1.75	LOUISVILLE	6	1.49	6	1.49	5	1.31	5	1.31
18	2.71	18	2.71	4	0.63	4	0.63	LUBBOCK	2	2.92	2	2.92	1	1.41	1	1.41
5	1.73	5	1.73	5	1.84	5	1.84	LYNCHBURG	5	5.24	5	5.24	2	1.81	2	1.81
12	2.52	12	2.52	8	1.82	8	1.82	MACON	15	5.09	15	5.09	7	2.47	7	2.47
30	3.10	30	3.10	12	1.33	12	1.33	MADISON	0	0.00	0	0.00	1	6.94	1	6.94
21	3.37	21	3.37	11	1.74	11	1.74	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
30	2.14	30	2.14	16	1.24	16	1.24	MEMPHIS	23	2.03	23	2.03	18	1.54	18	1.54
65	2.92	65	2.92	34	1.63	34	1.63	MIAMI	26	3.39	26	3.39	23	2.86	23	2.86
12	4.93	12	4.93	3	1.22	3	1.22	MIDLAND	1	3.21	1	3.21	0	0.00	0	0.00
150	3.43	151	3.46	118	2.88	118	2.88	MILWAUKEE	21	4.94	21	4.94	18	4.12	18	4.12
182	2.94	182	2.94	110	1.91	111	1.93	MINNEAPOLIS	4	2.80	4	2.80	2	1.34	2	1.34
24	2.82	24	2.82	17	2.17	17	2.17	MOBILE	10	1.92	10	1.92	6	1.13	7	1.32
2	0.76	2	0.76	2	0.82	2	0.82	MONROE	6	3.79	6	3.79	7	4.08	7	4.08
5	1.50	5	1.50	4	1.23	4	1.23	MONTGOMERY	7	2.39	7	2.39	3	0.94	3	0.94
13	3.49	13	3.49	9	2.46	9	2.46	MUNCIE	0	0.00	0	0.00	0	0.00	0	0.00
20	3.58	20	3.58	8	1.50	8	1.50	MUSKEGON	4	4.98	4	4.98	2	2.87	2	2.87
22	1.90	22	1.90	14	1.25	14	1.25	NASHVILLE	13	4.08	13	4.08	7	2.14	7	2.14
123	2.85	124	2.88	68	1.61	68	1.61	NEWARK	31	2.74	31	2.74	22	2.02	22	2.02
48	2.31	48	2.31	41	2.15	41	2.15	NEW HAVEN	7	3.61	7	3.61	7	4.00	7	4.00
49	2.22	49	2.22	23	1.10	23	1.10	NEW ORLEANS	83	5.89	83	5.89	71	5.34	71	5.34
13	1.94	13	1.94	4	0.60	4	0.60	NEWPORT	12	4.31	14	4.31	3	1.04	3	1.04
477	1.73	477	1.73	319	1.21	319	1.21	NEW YORK	149	2.55	149	2.55	81	1.37	81	1.37
36	2.11	36	2.11	30	1.82	30	1.82	NORFOLK	28	3.87	28	3.87	20	2.81	20	2.81
2	0.53	2	0.53	5	1.44	5	1.44	ODESSA	0	0.00	0	0.00	0	0.00	0	0.00
9	1.93	9	1.93	9	2.00	9	2.00	OGDEN	1	5.56	1	5.56	0	0.00	0	0.00
32	1.86	32	1.86	29	1.82	29	1.82	OKLAHOMA CITY	5	1.84	5	1.84	7	2.50	7	2.50
54	2.97	56	3.08	34	2.00	34	2.00	OMAHA	5	2.83	5	2.83	5	2.85	5	2.85
30	3.04	31	3.14	20	2.01	20	2.01	ORLANDO	10	3.52	10	3.52	5	1.82	5	1.82
80	2.35	80	2.35	49	1.48	49	1.48	PATERSON	6	2.31	6	2.31	1	0.47	1	0.47
22	3.06	22	3.06	6	0.82	6	0.82	PENSACOLA	8	3.38	8	3.38	4	1.85	4	1.85
19	1.89	19	1.89	18	1.80	18	1.80	PEORIA	2	3.06	2	3.06	2	3.37	2	3.37
315	2.63	315	2.63	232	2.03	232	2.03	PHILADELPHIA	116	3.77	116	3.77	105	3.44	106	3.47
45	1.74	45	1.74	40	1.74	40	1.74	PHOENIX	3	1.25	3	1.25	3	1.36	3	1.36
189	2.64	189	2.64	156	2.78	156	2.28	PITTSBURGH	30	4.38	30	4.38	25	3.73	25	3.73
11	2.27	11	2.27	9	2.00	9	2.00	PITTSFIELD	1	15.15	1	15.15	0	0.00	0	0.00
21	3.32	21	3.32	15	2.34	15	2.34	PORTLAND MAINE	0	0.00	0	0.00	0	0.00	0	0.00
86	3.38	86	3.38	56	2.32	56	2.32	PORTLAND OREG.	2	1.60	2	1.60	7	6.24	7	6.24
60	2.68	61	2.73	42	1.96	42	1.96	PROVIDENCE	2	2.38	2	2.38	6	7.04	6	7.04
9	1.84	9	1.84	4	0.83	4	0.83	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
9	2.11	9	2.11	10	2.34	10	2.34	PUEBLO	0	0.00	0	0.00	0	0.00	0	0.00
9	1.59	9	1.59	13	2.58	13	2.58	RACINE	1	2.53	1	2.53	0	0.00	0	0.00
6	1.35	6	1.35	8	2.00	8	2.00	RALEIGH	13	7.25	13	7.25	5	7.72	5	2.72
24	3.07	24	3.07	9	1.19	9	1.19	READING	1	5.05	1	5.05	0	0.00	0	0.00
10	3.27	10	3.27	6	2.14	6	2.14	RENO	1	3.40	1	3.40	1	4.63	1	4.63
28	2.76	28	2.76	14	1.48	14	1.48	RICHMOND	9	2.04	9	2.04	4	0.90	4	0.90
13	3.09	13	3.09	9	2.10	9	2.10	ROANOKE	2	2.80	2	2.80	3	4.31	3	4.31
49	2.54	49	2.54	36	2.04	36	2.04	ROCHESTER	7	4.52	7	4.52	0	0.00	0	0.00
21	2.51	21	2.51	19	2.55	19	2.55	ROCKFORD	3	6.17	3	6.17	2	4.76	2	4.76
45	2.41	45	2.41	39	2.18	39	2.18	SACRAMENTO	7	3.70	7	3.70	4	1.89	4	1.89
10	1.44	10	1.44	12	1.79	12	1.79	SAGINAW	0	0.00	0	0.00	4	3.94	4	3.94
9	3.07	9	3.07	5	1.77	5	1.77	ST. JOSEPH	0	0.00	0	0.00	0	0.00	0	0.00
196	3.08	196	3.08	104	1.71	104	1.71	ST. LOUIS	44	2.85	44	2.85	42	2.80	42	2.80
20	1.14	20	1.14	22	1.33	22	1.33	SALT LAKE CITY	2	9.26	2	9.26	0	0.00	0	0.00
2	0.83	2	0.83	2	0.84	2	0.84	SAN ANGELO	2	18.52	2	18.52	0	0.00	0	0.00
104	3.68	104	3.68	66	2.49	66	2.49	SAN ANTONIO	5	2.28	5	2.28	5	2.42	5	2.42
96	3.31	96	3.31	64	2.38	64	2.38	SAN BERNARDINO	4	1.76	4	1.76	5	2.56	5	2.56
111	3.00	111	3.00	91	2.50	91	2.50	SAN DIEGO	13	3.30	13	3.30	7	1.99	7	1.99
210	2.66	211	2.67	134	1.80	136	1.80	SAN FRANCISCO	60	3.65	60	3.65	37	2.28	37	2.28
63	2.40	63	2.40	46	1.92	46	1.92	SAN JOSE	1	0.84	1	0.84	1	0.99	1	0.99
16	2.54	16	2.54	11	1.83	11	1.83	SANTA BARBARA	1	3.33	1	3.33	2	6.29	2	6.29
18	3.36	18	3.36	9	1.74	9	1.74	SAVANNAH	10	3.58	10	3.58	4	1.36	4	1.36
22	3.40	22	3.40	17	2.74	17	2.74	SCRANTON	0	0.00	0	0.00	0	0.00	0	0.00
92	2.54	92	2.54	53	1.51	53	1.51	SEATTLE	5	2.06	5	2.06	4	1.54	4	1.54
13	1.92	13	1.92	8	1.31	8	1.31	SHREVEPORT	4	0.86	4	0.86	7	1.65	7	1.65
17	4.06	17	4.06	9	2.43	9	2.43	SIOUX CITY	0	0.00	0	0.00	1	11.11	1	11.11
8	2.20	8	2.20	4	1.11	4	1.11	SIOUX FALLS	0	0.00	0	0.00	0	0.00	0	0.00
13	1.79	13	1.79	9	1.26	9	1.26	SOUTH BEND	5	5.87	5	5.87	5	6.67	5	6.67
22	2.19	22	2.19	18	1.96	18	1.96	SPOKANE	0	0.00	0	0.00	2	6.80	2	6.80
9	1.75	9	1.75	10	2.14	10	2.14	SPRINGFIELD I.	0	0.00	0	0.00	1	3.14	1	3.14
5	1.20	5	1.20	4	1.11	4	1.11	SPRINGFIELD MO	1	10.42	1	10.42	0	0.00	0	0.00
13	3.19	14	3.44	9	2.39	9	2.39	SPRINGFIELD O.	2	4.50	2	4.50	1	2.38	1	2.38
59	3.45	59	3.45	34	2.09	34	2.09	SPRINGFIELD MA	7	7.94	7	7.94	3	3.18	3	3.18
23	4.25	24	4.43	13	2.61	13	2.61	STEUBENVILLE	1	3.97	1	3.97	0	0.00	0	0.00
13	1.73	13	1.73	14	2.04	14	2.04	STOCKTON	4	4.39	4	4.39	1	1.02	1	1.02
92	4.45	92	4.45	47	2.40	47	2.40	SYRACUSE	7	7.38	7	7.38	2	2.65	2	2.65
30	2.72	30	2.72	13	1.22	13	1.22	TACOMA	1	0.88	1	0.88	2	1.60	2	1.60
52	2.76	52	2.76	34	1.87	34	1.87	TAMPA	21	4.67	21	4.67	6	1.30	6	1.30
10	3.19	10	3.19	8	2.53	8	2.53	TERRE HAUTE	1	4.90	1	4.90	1	4.39	1	4.39
2	1.10	2	1.10	2	1.11	2	1.11	TEXARKANA	1	1.09	1	1.09	1	1.00	1	1.00
37	2.61	37	2.61	22	1.60	22	1.60	TOLEDO	10	5.14	10	5.14	5	2.38	5	2.38
20	3.50	20	3.50	4	0.76	4	0.76	TOPEKA	0	0.00	0	0.00	3	5.88	3	5.88
13	1.95	13	1.95	13	1.93	13	1.93	TRENTON	7	4.21	7	4.21	6	3.38	6	3.38
32	3.20	32	3.20	19	1.93	19	1.93	TUCSON	7	7.94	7	7.94	4	4.98	4	4.98
33	2.57	33	2.57	23	1.96	23	1.96	TULSA	5	2.71	5	2.71	8	4.63	8	4.63
8	3.31	8	3.31	7	2.82	7	2.82	TUSCALOOSA	3	2.16	3	2.16	2	1.61	2	1.61
3	1.50	3	1.50	0	0.00	0	0.00	TYLER	0	0.00	0	0.00	0	0.00	0	0.00
27	2.36	27	2.36	16	1.42	16	1.42	UTICA	0	0.00	0	0.00	1	2.69	1	2.69
8	1.81	8	1.81	11	2.80	11	2.80	WACO	4	3.60	4	3.60	1	0.85	1	0.85
157	2.83	157	2.83	103	1.97	103	1.97	WASHINGTON	51	2.06	51	2.06	36	1.52	36	1.92
7	1.42	7	1.42	11	2.42	11	2.42	WATERLOO	0	0.00	0	0.00	0	0.00	0	0.00
13	2.68	13	2.68	13	2.85	13	2.85	W. PALM BEACH	11	4.15	11	4.15	6	2.53	6	2.53
14	2.42	14	2.42	7	1.25	7	1.25	WHEELING	0	0.00	0	0.00	0	0.00	0	0.00
34	2.64	34	2.64	26	2.21	26	2.21	WICHITA	6	4.37	6	4.37	2	1.33	2	1.33
8	1.68	8	1.68	5	1.10	5	1.10	WICHITA FALLS	0	0.00	0	0.00	3	6.02	3	6.02
31	3.37	31	3.37	19	2.16	19	2.16	WILKES-BARRE	0	0.00	0	0.00	0	0.00	0	0.00
26	2.21	26	2.21	10	0.92	10	0.92	WILMINGTON	7	3.20	7	3.20	7	3.20	7	3.20
12	2.26	12	2.26	11	2.31	11	2.31	WINSTON-SALEM	7	3.37	7	3.37	7	3.60	7	3.60
53	2.59	53	2.59	25	1.34	25	1.34	WORCESTER	0	0.00	0	0.00	0	0.00	0	0.00
21	2.69	21	2.69	15	2.08	15	2.08	YORK	0	0.00	0	0.00	0	0.00	0	0.00
46	2.85	46	2.85	30	2.00	30	2.00	YOUNGSTOWN	7	2.98	7	2.98	6	3.05	6	3.05
9,328	2.64	9,344	2.65	6,090	1.82	6,097	1.82	TOTAL 201 SMSA	2,050	3.15	2,051	3.15	1,424	2.23	1,430	2.24

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
POSTNATAL ASPHYXIA, ATELECTASIS AND IMMATURITY (I.S.C. 762,774,776)

MALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE
31	6.94	31	6.94	27	6.05	27	6.05	ABILENE	2	7.41	2	7.41	1	2.98	1	2.98
162	9.61	162	9.61	113	7.16	114	7.22	AKRON	28	14.63	28	14.63	34	18.70	34	18.70
25	10.47	25	10.47	16	6.94	16	6.94	ALBANY GA	14	10.10	14	10.10	27	20.74	29	22.27
219	10.61	221	10.70	138	6.91	140	7.01	ALBANY NY	20	19.84	21	20.83	13	14.94	13	14.94
146	11.73	149	11.97	107	9.74	114	9.84	ALBUQUERQUE	17	22.14	18	23.44	8	12.01	8	12.01
104	7.05	107	7.25	86	6.38	86	6.38	ALLENTOWN	2	7.58	2	7.58	2	11.90	2	11.90
33	7.79	33	7.79	29	7.24	29	7.24	ALTOONA	0	0.00	0	0.00	1	55.56	1	55.56
57	9.56	59	9.91	58	10.11	58	10.11	AMARILLO	9	22.06	9	22.06	8	17.32	8	17.32
38	6.47	38	6.47	27	4.47	27	4.47	ANN ARBOR	12	22.47	12	22.47	7	12.15	7	12.15
52	13.91	52	13.91	23	6.66	24	6.93	ASHEVILLE	13	25.79	13	25.79	9	20.83	9	20.83
301	10.20	309	10.48	194	7.27	197	7.38	ATLANTA	159	14.23	168	15.04	140	12.98	149	13.81
28	7.86	28	7.86	25	7.49	25	7.49	ATLANTIC CITY	25	21.37	28	23.93	19	16.58	19	16.59
60	10.98	61	11.16	43	8.66	43	8.66	AUGUSTA	31	10.85	31	10.85	16	5.51	17	5.85
74	10.63	76	10.72	47	6.51	48	6.64	AUSTIN	29	23.58	29	23.58	12	11.30	12	11.30
102	9.44	103	9.53	56	5.58	57	5.68	BAKERSFIELD	21	19.23	21	19.23	17	14.83	17	14.83
460	10.01	466	10.14	310	7.21	316	7.35	BALTIMORE	328	17.21	334	17.42	322	16.98	323	17.03
59	9.16	59	9.16	41	6.65	41	6.65	BATON ROUGE	52	14.76	53	15.05	47	13.89	48	14.18
41	9.21	41	9.21	37	8.81	37	8.81	BAY CITY	1	41.67	1	41.67	0	0.00	0	0.00
90	9.80	91	9.91	54	6.75	55	6.88	BEAUMONT	48	16.06	49	16.40	33	10.26	34	10.57
36	12.45	36	12.45	26	8.41	26	8.41	BILLINGS	0	0.00	0	0.00	0	0.00	0	0.00
70	8.70	70	8.70	71	9.65	71	9.65	BINGHAMTON	1	15.15	1	15.15	1	13.89	2	27.78
142	10.07	143	10.14	88	6.74	88	6.74	BIRMINGHAM	123	13.66	126	13.99	106	11.36	110	11.79
1,000	9.69	1,010	9.79	686	7.02	696	7.12	BOSTON	80	17.27	82	17.70	63	14.46	66	15.15
185	9.64	186	9.69	138	7.36	140	7.46	BRIDGEPORT	43	26.16	43	26.16	28	15.56	28	15.56
104	11.98	104	11.98	54	6.46	55	6.58	BROCKTON	3	12.20	3	12.20	1	3.27	1	3.27
59	6.91	64	7.50	30	3.68	31	3.80	BROWNSVILLE	0	0.00	0	0.00	1	15.15	1	15.15
425	9.93	429	10.03	308	7.62	310	7.67	BUFFALO	92	19.76	92	19.76	69	15.11	69	15.11
133	11.83	135	12.01	91	8.53	92	8.62	CANTON	15	17.99	16	19.18	12	16.00	13	17.33
34	6.19	35	6.38	32	5.95	32	5.95	CEDAR RAPIDS	0	0.00	0	0.00	0	0.00	0	0.00
49	11.28	49	11.28	24	6.15	24	6.15	CHAMPAIGN	7	22.88	7	22.88	6	18.52	6	18.52
71	11.25	72	11.41	31	5.17	32	5.34	CHARLESTON SC	58	14.05	59	14.29	39	9.79	40	10.04
80	9.27	83	9.62	55	6.88	57	7.13	CHARLESTON WVA	14	24.31	14	24.31	8	20.51	8	20.51
66	8.82	66	8.82	45	6.63	45	6.63	CHARLOTTE	75	23.11	77	23.72	55	16.82	55	16.82
96	11.98	96	11.98	59	7.62	59	7.62	CHATTANOOGA	41	17.84	43	18.71	43	19.96	44	20.43
1,990	10.89	2,011	11.00	1,286	7.37	1,304	7.47	CHICAGO	973	19.27	986	19.52	854	16.89	862	17.05
287	7.93	289	7.98	192	5.57	195	5.66	CINCINNATI	100	16.04	103	16.52	87	15.17	89	15.52
470	9.22	473	9.28	384	7.86	386	7.90	CLEVELAND	208	17.68	211	17.93	185	15.46	186	15.55
66	17.03	66	17.03	45	12.10	45	12.10	COLORADO SPRGS	7	58.33	7	58.33	2	10.42	2	10.42
62	9.93	62	9.93	34	5.87	35	6.04	COLUMBIA	31	8.71	32	8.99	25	7.49	27	8.09
80	11.50	80	11.50	50	8.04	51	8.20	COLUMBUS GA	44	14.67	45	15.00	45	15.09	46	15.43
191	8.05	202	8.51	139	6.06	142	6.17	COLUMBUS OHIO	63	15.74	70	17.49	43	11.18	48	12.48
94	9.79	98	10.21	73	7.95	74	8.06	CORPUS CHRISTI	5	10.29	5	10.29	9	16.85	10	18.73
349	10.23	349	10.23	207	6.46	208	6.47	DALLAS	129	14.43	137	15.32	90	10.53	95	11.12
108	11.07	108	11.07	80	8.50	80	8.50	DAVENPORT	6	17.24	6	17.24	12	31.75	12	31.75
232	9.98	234	10.07	150	6.66	153	6.79	DAYTON	70	22.10	72	22.73	66	19.30	67	19.59
41	10.63	44	11.40	27	7.00	28	7.26	DECATUR	6	18.87	6	18.87	5	18.94	6	22.73
371	10.91	376	11.06	243	7.26	246	7.35	DENVER	26	13.76	27	14.29	29	15.06	29	15.06
90	9.09	90	9.09	53	5.70	54	5.80	DES MOINES	12	18.87	12	18.87	10	20.08	10	20.08
1,173	9.99	1,187	10.10	895	7.95	910	8.08	DETROIT	438	18.40	447	18.78	337	14.27	339	14.35
23	6.22	23	6.22	17	5.10	17	5.10	DUBUQUE	0	0.00	0	0.00	0	-	0	-
82	8.77	84	8.98	65	6.95	66	6.95	DULUTH	0	0.00	0	0.00	0	0.00	0	0.00
22	8.67	23	9.06	12	5.67	12	5.67	DURHAM	28	19.13	28	19.13	20	14.18	20	14.18
222	11.55	228	11.86	167	8.88	168	8.94	EL PASO	8	12.01	8	12.01	6	9.80	6	9.80
62	7.35	63	7.47	59	7.24	61	7.48	ERIE	8	17.54	8	17.54	4	8.66	4	8.66
52	8.59	52	8.59	32	5.69	32	5.69	EUGENE	3	45.45	3	45.45	2	20.83	2	20.83
55	8.36	55	8.36	43	7.08	45	7.41	EVANSVILLE	7	11.67	7	11.67	9	14.02	9	14.02
104	8.44	105	8.52	93	8.16	93	8.16	FALL RIVER	4	11.90	4	11.90	0	0.00	0	0.00
38	8.32	38	8.32	23	5.46	23	5.46	FARGO	0	0.00	0	0.00	0	0.00	0	0.00
143	10.26	144	10.34	112	8.46	112	8.46	FLINT	45	21.01	45	21.01	42	19.34	42	19.34
81	10.51	82	10.64	64	8.43	64	8.43	FT. LAUDERDALE	67	19.09	67	19.09	43	11.81	44	12.08
14	6.26	14	6.26	13	6.37	13	6.37	FORT SMITH	3	16.67	3	16.67	0	0.00	0	0.00
71	8.43	72	8.55	51	6.18	51	6.18	FORT WAYNE	9	11.90	9	11.90	11	13.48	11	13.48
190	10.21	192	10.32	107	6.14	109	6.25	FORT WORTH	46	14.60	49	15.56	44	15.64	44	15.64
109	8.57	110	8.64	70	5.65	71	5.73	FRESNO	13	10.47	13	10.47	11	8.33	11	8.33
32	12.61	33	13.00	36	14.35	36	14.35	GADSDEN	12	18.52	13	20.06	4	6.47	5	8.09
49	12.68	50	12.94	34	9.07	34	9.07	GALVESTON	23	17.19	23	17.19	21	15.84	21	15.84
231	11.79	236	12.05	126	6.74	131	7.00	GARY	88	19.93	89	20.15	46	10.40	46	10.40
122	8.87	123	8.94	94	7.11	94	7.11	GRAND RAPIDS	21	24.14	21	24.14	12	13.33	12	13.33
32	9.16	32	9.16	21	6.81	21	6.81	GREAT FALLS	3	16.67	3	16.67	0	0.00	0	0.00
36	6.43	36	6.43	38	7.02	38	7.02	GREEN BAY	0	0.00	0	0.00	0	0.00	1	33.33
56	8.03	57	8.17	54	8.24	56	8.55	GREENSBORO	46	19.36	47	19.78	30	13.48	31	13.93
47	7.25	47	7.25	39	6.72	39	6.72	GREENVILLE	28	16.09	28	16.09	19	9.80	21	10.84
75	10.02	77	10.29	60	8.97	61	9.12	HAMILTON	4	7.17	4	7.17	9	22.06	9	22.06
92	8.67	96	9.05	66	6.69	66	6.69	HARRISBURG	24	20.00	25	20.83	15	13.37	16	14.26
220	9.67	226	9.94	163	7.51	164	7.56	HARTFORD	44	28.21	44	28.21	31	19.95	31	19.95
60	7.69	60	7.69	51	7.25	51	7.25	HONOLULU	165	11.20	165	11.20	120	8.58	124	8.87
403	10.52	405	10.57	270	7.04	273	7.72	HOUSTON	170	12.52	176	12.96	160	12.47	164	12.78
87	10.61	88	10.73	73	9.59	76	9.98	HUNTINGTON	5	18.12	5	18.12	3	10.64	3	10.64
35	7.87	36	8.10	19	4.60	20	4.84	HUNTSVILLE	8	6.29	8	6.29	9	8.93	9	8.93
263	11.10	263	11.10	174	7.89	175	7.94	INDIANAPOLIS	93	16.96	93	16.96	74	14.19	76	14.58
65	13.89	68	14.33	42	9.58	42	9.58	JACKSON MICH	8	40.40	8	40.40	4	17.54	4	17.54
31	7.03	31	7.03	30	7.40	30	7.40	JACKSON MISS	45	9.95	48	10.61	36	8.63	37	8.87
146	10.48	150	10.77	101	7.67	103	7.82	JACKSONVILLE	105	20.18	111	21.34	92	17.69	94	18.07
157	8.89	160	9.06	136	8.32	142	8.69	JERSEY CITY	50	19.11	50	19.11	54	19.78	54	19.78
89	9.94	90	10.05	61	7.23	62	7.34	JOHNSTOWN	2	9.26	2	9.26	1	5.95	1	5.95
52	8.25	53	8.41	40	6.81	41	6.98	KALAMAZOO	3	9.43	3	9.43	2	6.54	2	6.54
258	7.46	263	7.61	206	6.25	208	6.31	KANSAS CITY	112	16.13	114	16.42	109	18.67	111	19.01
41	10.31	41	10.31	24	5.75	25	5.99	KENOSHA	0	0.00	0	0.00	2	23.81	2	23.81
122	10.67	123	10.76	71	6.31	71	6.31	KNOXVILLE	15	13.23	15	13.23	11	9.96	12	10.87
63	11.55	63	11.55	43	8.82	45	9.23	LAKE CHARLES	29	16.72	29	16.72	20	11.04	21	11.59
102	10.41	105	10.72	74	8.19	76	8.42	LANCASTER	4	30.30	4	30.30	3	21.74	3	21.74
104	9.12	105	9.21	73	6.49	73	6.49	LANSING	7	16.20	7	16.20	9	20.27	9	20.27
43	10.30	45	10.78	19	4.86	20	5.12	LAREDO	0	0.00	0	0.00	0	0.00	0	0.00
54	11.78	55	12.00	42	9.66	43	9.89	LAS VEGAS	9	10.34	10	11.49	10	11.66	10	11.66
30	7.68	31	7.94	37	10.23	38	10.50	LAWTON	12	16.00	12	16.00	5	6.22	5	6.22
29	6.80	29	6.80	36	9.60	36	9.60	LEXINGTON	19	21.11	20	22.22	16	17.43	16	17.43
39	11.25	39	11.25	23	6.63	25	7.21	LIMA	8	24.24	8	24.24	5	13.02	5	13.02
66	9.94	56	9.94	36	6.05	36	6.05	LINCOLN	4	22.22	4	22.22	3	13.89	3	13.89
90	12.79	91	12.93	63	8.88	64	9.02	LITTLE ROCK	39	13.98	41	14.70	28	10.23	30	10.96
66	8.28	66	8.28	61	8.24	62	8.37	LORAIN	8	10.84	8	10.84	12	20.00	12	20.00
1,733	8.30	1,741	8.34	1,252	6.30	1,263	6.36	LOS ANGELES	330	10.84	337	11.07	276	9.44	279	9.54

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
POSTNATAL ASPHYXIA, ATELECTASIS AND IMMATURITY (I.S.C. 762,774,776)

MALE WHITE -28 DAYS DEATHS	MALE WHITE -28 DAYS RATE	MALE WHITE -1 YR. DEATHS	MALE WHITE -1 YR. RATE	FEMALE WHITE -28 DAYS DEATHS	FEMALE WHITE -28 DAYS RATE	FEMALE WHITE -1 YR. DEATHS	FEMALE WHITE -1 YR. RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	MALE NON-WHITE -28 DAYS RATE	MALE NON-WHITE -1 YR. DEATHS	MALE NON-WHITE -1 YR. RATE	FEMALE NON-WHITE -28 DAYS DEATHS	FEMALE NON-WHITE -28 DAYS RATE	FEMALE NON-WHITE -1 YR. DEATHS	FEMALE NON-WHITE -1 YR. RATE
252	10.05	253	10.09	193	8.24	198	8.45	LOUISVILLE	81	20.09	82	20.34	61	15.94	64	16.72
79	11.90	80	12.06	48	7.57	49	7.73	LUBBOCK	18	26.32	19	27.78	12	16.95	13	18.36
21	7.26	21	7.26	11	4.06	11	4.06	LYNCHBURG	20	20.96	20	20.96	16	14.49	16	14.49
49	10.27	50	10.48	26	5.03	28	6.38	MACON	22	7.47	22	7.47	38	13.42	39	13.77
60	6.20	60	6.20	59	6.55	60	6.66	MADISON	1	5.95	1	5.95	0	0.00	0	0.00
48	7.71	48	7.71	37	5.86	38	6.01	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
161	11.49	161	11.49	112	8.67	113	8.75	MEMPHIS	194	17.12	203	17.91	179	15.29	184	15.72
204	9.15	204	9.15	165	7.82	168	8.06	MIAMI	96	12.50	97	12.63	78	9.72	78	9.72
17	6.98	17	6.98	15	6.10	17	6.91	MIDLAND	4	12.82	4	12.82	3	13.89	3	13.89
314	7.19	319	7.30	262	6.39	267	6.51	MILWAUKEE	56	12.71	56	12.71	38	8.69	40	9.14
579	9.36	592	9.57	392	6.81	397	6.90	MINNEAPOLIS	22	15.41	22	15.41	15	10.08	17	11.42
66	7.76	67	7.88	56	6.88	56	7.14	MOBILE	89	17.05	89	17.05	72	13.57	73	13.76
17	6.42	17	6.42	10	4.12	10	4.12	MONROE	25	13.78	25	14.78	23	13.40	23	13.40
47	14.09	47	14.09	31	9.57	31	9.57	MONTGOMERY	37	13.29	61	13.97	29	9.09	32	10.03
32	8.59	33	8.86	26	7.10	26	7.10	MUNCIE	6	21.74	6	21.74	4	15.87	4	15.87
54	9.67	54	9.67	31	5.82	31	5.82	MUSKEGON	8	9.95	8	9.95	16	20.11	15	21.55
116	10.02	116	10.02	60	5.36	60	5.36	NASHVILLE	57	17.89	57	17.89	41	12.56	41	12.54
417	9.67	425	9.86	320	7.78	326	7.72	NEWARK	282	24.89	291	25.69	246	22.58	251	23.06
171	8.72	172	8.27	102	5.34	102	5.34	NEW HAVEN	29	14.96	29	14.96	21	11.99	21	11.99
228	10.31	229	10.36	166	7.85	165	7.90	NEW ORLEANS	191	13.55	197	13.97	167	12.57	172	12.95
77	11.49	77	11.49	51	7.80	52	7.75	NEWPORT	49	17.60	49	17.60	35	12.18	35	12.18
2,784	10.07	2,851	10.31	2,038	7.72	2,082	7.82	NEW YORK	1,379	23.62	1,415	24.24	1,078	18.17	1,115	18.80
194	11.36	195	11.42	137	8.31	140	8.49	NORFOLK	142	19.62	143	19.76	122	17.14	122	17.14
36	9.58	36	9.58	29	8.35	32	9.21	ODESSA	3	11.90	3	11.90	0	0.00	0	0.00
46	9.84	46	9.84	35	7.78	35	7.78	OGDEN	1	5.56	1	5.56	1	10.42	1	10.42
160	9.92	162	9.63	108	6.78	109	6.84	OKLAHOMA CITY	37	13.64	39	14.38	29	10.35	31	11.06
202	11.11	202	11.11	142	8.33	144	8.45	OMAHA	32	18.14	32	18.14	25	14.27	25	14.27
97	9.82	98	9.92	79	7.94	80	8.04	ORLANDO	28	9.85	30	10.55	24	8.73	26	9.46
315	9.25	320	9.40	233	7.05	235	7.11	PATERSON	48	18.52	48	18.52	42	19.94	42	19.94
80	11.11	82	11.39	45	6.13	45	6.13	PENSACOLA	37	15.65	38	16.07	36	16.62	36	16.62
116	11.55	117	11.65	72	7.21	74	7.41	PEORIA	12	18.35	14	21.41	11	18.52	11	18.52
1,149	9.58	1,169	9.75	819	7.15	823	7.22	PHILADELPHIA	530	17.24	543	17.66	511	16.73	517	16.93
295	11.42	300	11.61	188	8.17	191	8.30	PHOENIX	42	17.54	42	17.54	23	10.42	23	10.42
616	8.61	621	8.68	463	6.77	472	6.90	PITTSBURGH	133	19.43	134	19.57	112	16.71	112	16.71
39	8.04	39	8.04	21	4.67	22	4.89	PITTSFIELD	1	15.15	1	15.15	1	16.67	1	16.67
64	10.12	64	10.12	49	7.65	49	7.65	PORTLAND MAINE	1	18.52	1	18.52	0	0.00	0	0.00
211	8.30	218	8.58	136	5.94	136	5.62	PORTLAND OREG.	6	4.81	6	4.81	12	10.70	12	10.70
213	9.93	216	9.66	156	7.27	156	7.27	PROVIDENCE	13	15.48	13	15.48	9	10.56	9	10.56
51	10.63	51	10.43	26	5.36	26	5.36	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
58	13.58	58	13.58	26	6.08	26	6.08	PUEBLO	1	9.80	1	9.80	1	7.94	1	7.94
59	10.45	59	10.45	53	10.53	54	10.73	RACINE	6	15.15	6	15.15	3	6.41	4	8.55
29	6.52	30	6.75	28	6.99	28	6.99	RALEIGH	35	19.51	37	20.62	25	13.62	26	14.16
86	10.99	87	11.12	60	7.94	60	7.94	READING	8	40.40	8	40.40	7	27.13	7	27.13
38	12.44	39	12.77	28	9.97	28	9.97	RENO	4	13.61	4	13.61	2	9.26	3	13.89
96	9.47	97	9.57	65	6.87	65	6.87	RICHMOND	41	9.30	41	9.30	42	9.50	45	10.18
43	10.21	43	10.21	33	7.69	35	8.16	ROANOKE	18	25.21	18	25.21	8	11.49	8	11.49
191	9.92	192	9.97	137	7.78	138	7.84	ROCHESTER	28	18.09	28	18.09	11	7.39	13	8.74
85	10.16	87	10.40	93	7.12	94	7.26	ROCKFORD	17	34.98	18	37.04	8	19.05	8	19.05
150	8.03	151	8.08	128	7.16	129	7.22	SACRAMENTO	13	6.88	13	6.88	5	2.37	5	2.37
77	11.10	77	11.10	36	5.37	36	5.37	SAGINAW	18	17.65	19	18.63	15	14.79	15	14.79
30	10.22	31	10.57	19	6.71	20	7.06	ST. JOSEPH	4	35.09	4	35.09	4	33.33	4	33.33
600	9.42	606	9.52	418	6.89	425	7.00	ST. LOUIS	248	16.07	261	16.91	207	13.82	218	14.56
128	7.31	132	7.54	109	6.59	109	6.59	SALT LAKE CITY	6	27.78	6	27.78	5	20.76	5	20.76
22	9.17	23	9.58	12	5.01	12	5.01	SAN ANGELO	3	27.78	3	27.78	2	9.01	2	9.01
287	10.16	291	10.30	238	8.98	242	9.13	SAN ANTONIO	30	13.70	31	14.16	28	13.53	28	13.53
282	9.74	286	9.88	159	5.92	162	6.03	SAN BERNARDINO	35	15.39	35	15.39	36	18.46	36	18.46
370	10.01	374	10.12	280	7.70	283	7.78	SAN DIEGO	57	13.19	54	13.70	46	13.06	46	13.06
681	8.62	686	8.69	461	6.19	469	6.30	SAN FRANCISCO	201	12.23	203	12.35	184	11.32	188	11.56
217	8.28	218	8.32	159	6.63	159	6.63	SAN JOSE	11	9.26	11	9.26	8	7.89	8	7.89
55	8.74	55	8.74	63	7.16	63	7.16	SANTA BARBARA	3	10.00	3	10.00	3	9.43	3	9.43
76	14.20	77	14.39	32	6.19	33	6.39	SAVANNAH	56	20.03	56	20.03	38	12.90	39	13.24
45	6.96	46	7.12	48	7.73	48	7.73	SCRANTON	1	13.89	1	13.89	0	0.00	0	0.00
340	9.40	341	9.43	218	6.19	221	6.28	SEATTLE	27	11.14	28	11.55	21	8.08	21	8.08
65	9.62	67	9.92	45	7.03	46	7.20	SHREVEPORT	92	19.76	95	20.40	66	13.70	71	14.74
44	10.51	44	10.51	37	9.99	37	9.99	SIOUX CITY	2	16.67	2	16.67	0	0.00	0	0.00
31	8.53	31	8.53	17	4.76	18	5.02	SIOUX FALLS	1	33.33	1	33.33	0	0.00	0	0.00
76	10.44	77	10.58	59	8.25	60	8.39	SOUTH BEND	15	17.61	15	17.61	13	17.33	13	17.33
116	11.57	117	11.67	97	10.55	98	10.65	SPOKANE	6	21.28	6	21.28	3	10.20	3	10.20
72	14.02	73	14.21	47	10.06	48	10.27	SPRINGFIELD I.	4	14.49	4	14.49	8	25.16	8	25.16
34	8.18	34	8.18	24	6.69	24	6.69	SPRINGFIELD MO	0	0.00	0	0.00	1	11.90	1	11.90
44	10.80	45	11.05	24	6.37	25	6.63	SPRINGFIELD O.	6	13.51	6	13.51	9	21.43	9	21.43
156	9.13	156	9.13	106	6.51	106	6.51	SPRINGFIELD MA	16	18.14	16	18.14	9	9.55	9	9.55
37	6.83	38	7.01	29	5.82	30	6.02	STEUBENVILLE	5	19.84	5	19.84	2	7.75	2	7.75
66	8.76	66	8.76	54	7.88	54	7.88	STOCKTON	14	15.35	14	15.35	9	9.20	9	9.20
160	7.73	163	7.88	139	7.11	144	7.36	SYRACUSE	13	13.71	13	13.71	6	7.94	6	7.94
126	11.41	128	11.59	71	6.66	71	6.66	TACOMA	19	16.67	19	16.67	19	15.22	19	15.22
251	13.34	254	13.50	127	7.00	130	7.17	TAMPA	102	22.67	103	22.89	81	17.53	81	17.53
32	10.20	33	10.52	21	6.63	21	6.63	TERRE HAUTE	4	19.61	4	19.61	3	13.16	3	13.16
15	8.25	15	8.25	16	8.92	16	8.92	TEXARKANA	8	8.71	8	8.71	8	8.03	8	8.03
141	9.95	141	9.95	98	7.11	99	7.18	TOLEDO	30	15.43	30	15.43	25	11.90	25	11.90
33	5.78	34	5.95	27	5.12	27	5.12	TOPEKA	5	9.92	5	9.92	6	7.84	6	7.84
73	10.96	74	11.11	41	6.07	41	6.07	TRENTON	32	19.25	32	19.25	18	10.14	18	10.14
95	9.50	96	9.60	89	9.02	89	9.02	TUCSON	16	18.14	16	18.14	13	16.17	13	16.17
107	8.35	112	8.73	88	7.49	90	7.66	TULSA	30	16.29	33	17.92	14	8.10	15	8.68
21	8.68	21	8.68	23	9.28	23	9.28	TUSCALOOSA	25	18.04	26	18.76	14	11.27	14	11.27
24	11.98	24	11.98	15	8.49	16	8.49	TYLER	30	25.25	30	25.25	18	17.96	18	17.96
117	10.26	119	10.42	81	7.18	83	7.35	UTICA	10	29.24	10	29.24	7	18.82	7	18.82
41	9.30	41	9.30	42	10.70	42	10.70	WACO	21	18.92	21	18.92	17	14.53	17	14.53
547	9.87	552	9.96	402	7.69	404	7.73	WASHINGTON	582	23.48	591	23.84	471	19.83	478	20.12
39	7.94	39	7.94	32	7.05	32	7.05	WATERLOO	1	3.47	1	3.47	5	13.66	6	16.39
53	10.03	53	10.03	30	6.59	31	6.81	W. PALM BEACH	39	14.71	43	16.21	30	12.68	31	13.08
70	12.08	71	12.25	51	9.14	52	9.32	WHEELING	1	5.21	1	5.21	3	21.74	3	21.74
117	9.08	122	9.47	73	6.19	73	6.19	WICHITA	8	5.82	8	5.82	11	7.33	13	8.67
37	7.78	37	7.78	31	6.64	33	7.28	WICHITA FALLS	10	20.08	10	20.08	4	8.03	4	8.03
91	9.89	93	10.11	63	7.16	63	7.16	WILKES-BARRE	1	12.82	1	12.82	0	0.00	0	0.00
113	9.62	113	9.62	75	6.93	76	7.03	WILMINGTON	56	25.57	57	26.03	39	17.81	40	18.26
42	7.02	42	7.02	24	5.03	25	5.26	WINSTON-SALEM	54	26.01	55	26.49	32	16.46	32	16.46
194	9.48	196	9.58	110	5.91	111	5.96	WORCESTER	5	24.51	5	24.51	2	11.49	2	11.49
65	8.31	65	8.31	46	6.39	49	6.81	YORK	2	6.54	2	6.54	7	24.31	7	24.31
139	8.61	139	8.61	80	5.33	82	5.46	YOUNGSTOWN	41	17.43	42	17.86	40	20.33	41	20.83
33,930	9.61	34,363	9.75	23,951	7.15	24,302	7.26	TOTAL 201 SMSA	11,169	17.18	11,417	17.56	9,238	14.44	9,441	14.76

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
SEPSIS OF NEWBORN (I.S.C. 763-768)

MALE WHITE				FEMALE WHITE				S.M.S.A.	MALE NON-WHITE				FEMALE NON-WHITE			
-28 DAYS		-1 YR.		-28 DAYS		-1 YR.			-28 DAYS		-1 YR.		-28 DAYS		-1 YR.	
DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE		DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
9	2.01	9	2.01	2	0.45	2	0.45	ABILENE	1	3.70	1	3.70	0	0.00	0	0.00
15	0.89	15	0.89	11	0.70	11	0.70	AKRON	6	3.13	6	3.13	1	0.55	1	0.55
1	0.42	1	0.42	1	0.43	1	0.43	ALBANY GA	5	3.61	5	3.61	8	6.14	8	6.14
19	0.92	19	0.92	17	0.85	17	0.85	ALBANY NY	1	0.99	1	0.99	3	3.45	3	3.45
16	1.29	16	1.29	13	1.12	13	1.12	ALBUQUERQUE	1	1.30	1	1.30	1	1.50	1	1.50
17	1.15	17	1.15	10	0.74	10	0.74	ALLENTOWN	1	3.79	1	3.79	0	0.00	0	0.00
12	2.83	12	2.83	8	2.00	8	2.00	ALTOONA	0	0.00	0	0.00	0	0.00	0	0.00
4	0.67	4	0.67	0	0.00	0	0.00	AMARILLO	1	2.45	1	2.45	2	4.33	2	4.33
3	0.51	3	0.51	2	0.33	2	0.33	ANN ARBOR	0	0.00	0	0.00	0	0.00	0	0.00
6	1.61	6	1.61	3	0.87	3	0.87	ASHEVILLE	1	1.98	1	1.98	2	4.63	2	4.63
24	0.81	24	0.81	13	0.49	13	0.49	ATLANTA	43	3.85	43	3.85	26	2.41	26	2.41
5	1.40	5	1.40	2	0.60	2	0.60	ATLANTIC CITY	1	0.85	1	0.85	3	2.62	3	2.62
3	0.55	3	0.55	1	0.20	1	0.20	AUGUSTA	11	3.85	11	3.85	7	2.41	7	2.41
3	0.42	3	0.42	4	0.55	4	0.55	AUSTIN	1	0.81	1	0.81	5	4.71	5	4.71
18	1.67	18	1.67	9	0.90	9	0.90	BAKERSFIELD	4	3.66	4	3.66	2	1.75	2	1.75
58	1.26	58	1.26	31	0.72	31	0.72	BALTIMORE	85	4.46	86	4.51	56	2.95	56	2.95
1	0.16	1	0.16	0	0.00	0	0.00	BATON ROUGE	15	4.26	15	4.26	9	2.66	9	2.66
8	1.80	8	1.80	1	0.24	1	0.24	BAY CITY	0	0.00	0	0.00	0	0.00	0	0.00
6	0.65	6	0.65	7	0.88	7	0.88	BEAUMONT	7	2.34	7	2.34	5	1.55	5	1.55
0	0.00	0	0.00	0	0.00	0	0.00	BILLINGS	0	0.00	0	0.00	1	18.52	1	18.52
6	0.75	6	0.75	7	0.95	7	0.95	BINGHAMTON	0	0.00	0	0.00	0	0.00	0	0.00
13	0.92	13	0.92	8	0.61	8	0.61	BIRMINGHAM	23	2.55	23	2.55	16	1.71	16	1.71
112	1.09	112	1.09	58	0.59	58	0.59	BOSTON	17	3.67	17	3.67	7	1.61	7	1.61
15	0.78	15	0.78	10	0.53	11	0.59	BRIDGEPORT	2	1.22	2	1.22	3	1.67	3	1.67
8	0.92	8	0.92	7	0.84	7	0.84	BROCKTON	0	0.00	0	0.00	0	0.00	0	0.00
30	3.51	30	3.51	18	2.21	18	2.21	BROWNSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
33	0.77	33	0.77	23	0.57	23	0.57	BUFFALO	10	2.15	10	2.15	5	1.10	5	1.10
12	1.07	12	1.07	8	0.75	8	0.75	CANTON	2	2.40	2	2.40	1	1.33	1	1.33
3	0.55	3	0.55	2	0.37	2	0.37	CEDAR RAPIDS	1	16.67	1	16.67	0	0.00	0	0.00
7	1.61	7	1.61	4	1.03	4	1.03	CHAMPAIGN	0	0.00	0	0.00	0	0.00	0	0.00
5	0.79	5	0.79	4	0.67	4	0.67	CHARLESTON SC	7	1.70	7	1.70	6	1.51	6	1.51
10	1.16	10	1.16	6	0.75	6	0.75	CHARLESTON WVA	3	5.21	3	5.21	1	2.56	1	2.56
2	0.27	2	0.27	3	0.44	3	0.44	CHARLOTTE	14	4.31	14	4.31	9	2.75	9	2.75
5	0.62	5	0.62	7	0.90	7	0.90	CHATTANOOGA	3	1.31	3	1.31	2	0.93	2	0.93
211	1.15	211	1.15	130	0.75	130	0.75	CHICAGO	211	4.18	212	4.20	139	2.75	139	2.75
42	1.16	43	1.19	27	0.78	27	0.78	CINCINNATI	18	2.89	18	2.89	15	2.62	15	2.62
39	0.76	40	0.78	25	0.51	25	0.51	CLEVELAND	19	1.61	19	1.61	20	1.67	21	1.76
4	1.03	4	1.03	3	0.81	3	0.81	COLORADO SPRGS	0	0.00	0	0.00	2	10.42	2	10.42
4	0.64	4	0.64	1	0.17	1	0.17	COLUMBIA	10	2.81	10	2.81	6	1.80	6	1.80
7	1.01	7	1.01	5	0.80	5	0.80	COLUMBUS GA	12	4.00	12	4.00	9	3.02	9	3.02
34	1.43	34	1.43	25	1.09	25	1.09	COLUMBUS OHIO	3	0.75	3	0.75	4	1.04	4	1.04
9	0.94	9	0.94	13	1.42	13	1.42	CORPUS CHRISTI	1	2.06	1	2.06	0	0.00	0	0.00
30	0.88	30	0.88	26	0.81	26	0.81	DALLAS	23	2.57	23	2.57	18	2.11	18	2.11
10	1.03	10	1.03	9	0.96	9	0.96	DAVENPORT	0	0.00	0	0.00	1	2.65	1	2.65
14	0.60	14	0.60	7	0.31	7	0.31	DAYTON	4	1.26	4	1.26	2	0.58	2	0.58
3	0.78	3	0.78	0	0.00	0	0.00	DECATUR	0	0.00	0	0.00	0	0.00	0	0.00
43	1.26	43	1.26	28	0.84	28	0.84	DENVER	4	2.12	4	2.12	7	3.63	7	3.63
11	1.11	11	1.11	11	1.18	11	1.18	DES MOINES	2	3.14	2	3.14	3	6.02	3	6.02
119	1.01	119	1.01	68	0.60	68	0.60	DETROIT	48	2.02	49	2.06	38	1.61	40	1.69
0	0.00	0	0.00	1	0.30	1	0.30	DUBUQUE	0	0.00	0	0.00	0	-	0	-
6	0.64	6	0.64	4	0.42	4	0.42	DULUTH	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	DURHAM	1	0.68	1	0.68	2	1.42	2	1.42
34	1.77	34	1.77	17	0.90	17	0.90	EL PASO	1	1.50	1	1.50	1	1.63	1	1.63
7	0.83	7	0.83	8	0.98	8	0.98	ERIE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.66	4	0.66	1	0.18	1	0.18	EUGENE	0	0.00	0	0.00	0	0.00	0	0.00
5	0.76	5	0.76	3	0.49	3	0.49	EVANSVILLE	1	1.67	1	1.67	2	3.12	2	3.12
17	1.38	17	1.38	4	0.35	4	0.35	FALL RIVER	1	2.98	1	2.98	0	0.00	0	0.00
3	0.66	3	0.66	3	0.71	3	0.71	FARGO	0	0.00	0	0.00	0	0.00	0	0.00
6	0.43	6	0.43	9	0.68	9	0.68	FLINT	2	0.93	2	0.93	5	2.30	5	2.30
11	1.43	11	1.43	4	0.53	4	0.53	FT. LAUDERDALE	16	4.56	16	4.56	10	2.75	10	2.75
0	0.00	0	0.00	0	0.00	0	0.00	FORT SMITH	0	0.00	0	0.00	0	0.00	0	0.00
2	0.24	2	0.24	3	0.36	3	0.36	FORT WAYNE	2	2.65	2	2.65	3	3.68	3	3.68
24	1.29	24	1.29	9	0.52	9	0.52	FORT WORTH	9	2.86	9	2.86	5	1.78	5	1.78
28	2.20	28	2.20	10	0.81	10	0.81	FRESNO	2	1.61	2	1.61	1	0.76	1	0.76
0	0.00	0	0.00	2	0.80	2	0.80	GADSDEN	1	1.54	1	1.54	2	3.24	2	3.24
2	0.52	2	0.52	3	0.80	3	0.80	GALVESTON	2	1.49	2	1.49	2	1.51	2	1.51
20	1.02	20	1.02	18	0.96	18	0.96	GARY	10	2.26	10	2.26	10	2.26	10	2.26
7	0.51	7	0.51	8	0.60	8	0.60	GRAND RAPIDS	1	1.15	1	1.15	0	0.00	0	0.00
1	0.29	1	0.29	1	0.32	1	0.32	GREAT FALLS	1	5.56	1	5.56	0	0.00	0	0.00
1	0.18	1	0.18	1	0.18	1	0.18	GREEN BAY	0	0.00	0	0.00	0	0.00	0	0.00
4	0.57	4	0.57	6	0.92	6	0.92	GREENSBORO	7	2.95	7	2.95	9	4.06	9	4.06
5	0.77	5	0.77	2	0.34	2	0.34	GREENVILLE	4	2.30	4	2.30	6	3.10	6	3.10
3	0.40	3	0.40	2	0.30	2	0.30	HAMILTON	1	1.79	1	1.79	0	0.00	0	0.00
3	0.28	3	0.28	7	0.71	7	0.71	HARRISBURG	4	3.33	4	3.33	3	2.67	3	2.67
15	0.66	15	0.66	6	0.28	6	0.28	HARTFORD	3	1.92	3	1.92	1	0.64	1	0.64
10	1.28	10	1.28	3	0.43	3	0.43	HONOLULU	27	1.83	27	1.83	10	0.72	10	0.72
53	1.38	53	1.38	33	0.93	33	0.93	HOUSTON	45	3.31	45	3.31	27	2.10	28	2.18
7	0.85	7	0.85	14	1.84	14	1.84	HUNTINGTON	0	0.00	0	0.00	0	0.00	0	0.00
1	0.22	1	0.22	3	0.73	3	0.73	HUNTSVILLE	9	7.08	9	7.08	3	2.98	3	2.98
18	0.76	18	0.76	10	0.45	10	0.45	INDIANAPOLIS	22	4.01	22	4.01	7	1.34	7	1.34
6	1.28	6	1.28	3	0.68	3	0.68	JACKSON MICH	0	0.00	0	0.00	2	8.77	2	8.77
5	1.13	5	1.13	2	0.49	2	0.49	JACKSON MISS	15	3.32	15	3.32	11	2.64	11	2.64
17	1.22	17	1.22	10	0.76	10	0.76	JACKSONVILLE	18	3.46	18	3.46	15	2.88	15	2.88
16	0.91	16	0.91	11	0.67	11	0.67	JERSEY CITY	9	3.44	9	3.44	2	0.73	2	0.73
6	0.67	6	0.67	7	0.83	7	0.83	JOHNSTOWN	0	0.00	0	0.00	0	0.00	0	0.00
8	1.27	8	1.27	2	0.34	2	0.34	KALAMAZOO	1	3.14	1	3.14	0	0.00	0	0.00
50	1.45	50	1.45	37	1.12	37	1.12	KANSAS CITY	29	4.18	29	4.18	18	3.08	18	3.08
5	1.26	5	1.26	4	0.96	5	1.20	KENOSHA	0	0.00	0	0.00	0	0.00	0	0.00
9	0.79	9	0.79	9	0.80	9	0.80	KNOXVILLE	0	0.00	0	0.00	2	1.81	2	1.81
6	1.10	6	1.10	6	1.23	7	1.44	LAKE CHARLES	8	4.61	8	4.61	4	2.21	4	2.21
6	0.61	6	0.61	2	0.22	2	0.22	LANCASTER	0	0.00	0	0.00	0	0.00	0	0.00
6	0.53	6	0.53	6	0.53	6	0.53	LANSING	1	2.31	1	2.31	0	0.00	0	0.00
7	1.68	7	1.68	8	2.05	8	2.05	LAREDO	0	0.00	0	0.00	0	0.00	0	0.00
4	0.87	4	0.87	2	0.46	2	0.46	LAS VEGAS	2	2.30	2	2.30	3	3.50	3	3.50
3	0.77	3	0.77	2	0.55	2	0.55	LAWTON	0	0.00	0	0.00	0	0.00	0	0.00
6	1.41	6	1.41	6	1.60	6	1.60	LEXINGTON	1	1.11	1	1.11	2	2.18	2	2.18
3	0.87	3	0.87	1	0.29	1	0.29	LIMA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.30	2	0.30	5	0.84	5	0.84	LINCOLN	1	5.36	1	5.56	0	0.00	0	0.00
5	0.71	5	0.71	3	0.42	3	0.42	LITTLE ROCK	11	3.94	11	3.94	12	4.39	12	4.39
5	0.63	5	0.63	6	0.81	6	0.81	LORAIN	1	1.36	1	1.36	1	1.67	1	1.67
206	0.99	206	0.99	151	0.76	151	0.76	LOS ANGELES	57	1.87	58	1.90	38	1.30	38	1.30

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
SEPSIS OF NEWBORN (I.S.C. 763-768)

MALE WHITE				FEMALE WHITE				S.M.S.A.	MALE NON-WHITE				FEMALE NON-WHITE			
-28 DAYS		-1 YR.		-28 DAYS		-1 YR.			-28 DAYS		-1 YR.		-28 DAYS		-1 YR.	
DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE		DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
24	0.96	24	0.96	12	0.51	12	0.51	LOUISVILLE	16	3.97	16	3.97	6	1.57	6	1.57
16	2.41	16	2.41	7	1.10	7	1.10	LUBBOCK	3	4.39	3	4.39	0	0.00	0	0.00
4	1.38	4	1.38	0	0.00	0	0.00	LYNCHBURG	5	5.24	6	6.29	4	3.62	4	3.62
2	0.42	2	0.42	6	1.37	6	1.37	MACON	6	2.04	6	2.04	6	2.12	6	2.12
7	0.72	7	0.72	5	0.56	5	0.56	MADISON	0	0.00	0	0.00	0	0.00	0	0.00
14	2.25	14	2.25	5	0.79	5	0.79	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
10	0.71	10	0.71	14	1.08	14	1.08	MEMPHIS	39	3.44	39	3.44	23	1.96	23	1.96
26	1.17	26	1.17	18	0.86	18	0.86	MIAMI	23	2.99	23	2.99	13	1.62	13	1.62
4	1.64	4	1.64	7	2.85	7	2.85	MIDLAND	1	3.21	1	3.21	1	4.63	1	4.63
34	0.78	34	0.78	20	0.49	20	0.49	MILWAUKEE	5	1.18	5	1.18	5	1.14	5	1.14
38	0.61	38	0.61	25	0.43	25	0.43	MINNEAPOLIS	2	1.40	2	1.40	1	0.67	1	0.67
5	0.59	5	0.59	3	0.38	3	0.38	MOBILE	12	2.30	12	2.30	7	1.32	7	1.32
1	0.38	1	0.38	4	1.65	4	1.65	MONROE	10	6.31	10	6.31	4	2.33	4	2.33
4	1.20	4	1.20	2	0.62	2	0.62	MONTGOMERY	14	4.77	14	4.77	9	2.82	9	2.82
5	1.34	5	1.34	1	0.27	1	0.27	MUNCIE	0	0.00	0	0.00	0	0.00	0	0.00
6	1.07	6	1.07	5	0.94	5	0.94	MUSKEGON	1	1.24	1	1.24	1	1.44	1	1.44
7	0.60	7	0.60	3	0.27	3	0.27	NASHVILLE	4	1.26	4	1.26	1	0.31	1	0.31
28	0.65	29	0.67	18	0.43	18	0.43	NEWARK	32	2.82	32	2.82	19	1.74	19	1.74
16	0.77	16	0.77	14	0.73	14	0.73	NEW HAVEN	4	2.06	4	2.06	0	0.00	0	0.00
32	1.45	32	1.45	13	0.62	13	0.62	NEW ORLEANS	72	5.11	72	5.11	67	5.06	67	5.06
3	0.45	3	0.45	5	0.75	5	0.75	NEWPORT	8	2.87	8	2.87	6	2.09	7	2.44
279	1.01	279	1.01	202	0.77	203	0.77	NEW YORK	148	2.54	149	2.55	96	1.62	96	1.62
18	1.05	18	1.05	11	0.67	11	0.67	NORFOLK	18	2.49	18	2.49	15	2.11	15	2.11
8	2.13	8	2.13	2	0.58	2	0.58	ODESSA	0	0.00	0	0 00	0	0.00	0	0.00
2	0.43	2	0.43	1	0.22	1	0.22	OGDEN	0	0.00	0	0.00	0	0.00	0	0.00
23	1.34	23	1.34	15	0.94	15	0.94	OKLAHOMA CITY	3	1.11	3	1.11	6	2.14	6	2.14
14	0.77	14	0.77	10	0.59	10	0.59	OMAHA	4	2.27	4	2.27	2	1.14	2	1.14
2	0.20	2	0.20	4	0.40	4	0.40	ORLANDO	7	2.46	7	2.46	6	2.18	6	2.18
37	1.09	37	1.09	25	0.76	25	0.76	PATERSON	0	0.00	0	0.00	8	3.80	8	3.80
3	0.42	3	0.42	4	0.54	4	0.54	PENSACOLA	11	4.65	11	4.65	8	3.69	8	3.69
5	0.50	5	0.50	7	0.70	7	0.70	PEORIA	0	0.00	0	0.00	0	0.00	0	0.00
113	0.94	113	0.94	65	0.57	65	0.57	PHILADELPHIA	62	2.02	63	2.05	50	1.64	50	1.64
30	1.16	30	1.16	32	1.39	32	1.39	PHOENIX	10	4.18	10	4.18	7	3.17	7	3.17
55	0.77	55	0.77	38	0.56	38	0.56	PITTSBURGH	13	1.90	13	1.90	7	1.04	7	1.04
4	0.83	4	0.83	1	0.22	1	0.22	PITTSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
9	1.42	9	1.42	11	1.72	11	1.72	PORTLAND MAINE	0	0.00	0	0.00	0	0.00	0	0.00
15	0.59	15	0.59	9	0.37	9	0.37	PORTLAND OREG.	1	0.80	1	0.80	1	0.89	1	0.89
8	0.36	8	0.36	7	0.33	7	0.33	PROVIDENCE	1	1.19	1	1.19	1	1.17	1	1.17
4	0.82	4	0.82	2	0.41	2	0.41	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
5	1.17	5	1.17	4	0.94	4	0.94	PUEBLO	1	9.80	1	9.80	0	0.00	0	0.00
4	0.71	4	0.71	3	0.60	3	0.60	RACINE	0	0.00	0	0.00	3	6.41	3	6.41
4	0.90	4	0.90	2	0.50	2	0.50	RALEIGH	7	3.90	7	3.90	11	5.99	11	5.99
5	0.64	5	0.64	3	0.40	3	0.40	READING	1	5.05	1	5.05	0	0.00	0	0.00
0	0.00	0	0.00	2	0.71	2	0.71	RENO	0	0.00	0	0.00	0	0.00	0	0.00
17	1.68	17	1.68	10	1.06	10	1.06	RICHMOND	14	3.17	14	3.17	8	1.81	8	1.81
5	1.19	5	1.19	4	0.93	4	0.93	ROANOKE	2	2.80	2	2.80	2	2.87	2	2.87
8	0.42	8	0.42	8	0.45	8	0.45	ROCHESTER	3	1.94	3	1.94	2	1.34	2	1.34
4	0.48	4	0.48	9	1.21	9	1.21	ROCKFORD	1	2.06	1	2.06	0	0.00	0	0.00
24	1.28	24	1.28	14	0.78	14	0.78	SACRAMENTO	2	1.06	2	1.06	3	1.42	3	1.42
4	0.56	4	0.58	6	0.89	6	0.89	SAGINAW	2	1.96	2	1.96	4	3.94	4	3.94
6	2.04	6	2.04	1	0.35	1	0.35	ST. JOSEPH	0	0.00	0	0.00	0	0.00	0	0.00
48	0.75	48	0.75	37	0.61	37	0.61	ST. LOUIS	26	1.68	26	1.68	25	1.67	25	1.67
9	0.51	9	0.51	7	0.42	7	0.42	SALT LAKE CITY	0	0.00	0	0.00	0	0.00	0	0.00
8	3.33	8	3.33	4	1.67	4	1.67	SAN ANGELO	0	0.00	0	0.00	0	0.00	0	0.00
43	1.52	43	1.52	38	1.43	38	1.43	SAN ANTONIO	11	5.02	11	5.02	7	3.38	7	3.38
38	1.31	38	1.31	23	0.86	23	0.86	SAN BERNARDINO	6	2.64	6	2.64	3	1.54	3	1.54
46	1.24	46	1.24	27	0.74	27	0.74	SAN DIEGO	10	2.54	10	2.54	3	0.85	3	0.85
83	1.05	83	1.05	47	0.63	48	0.64	SAN FRANCISCO	27	1.64	27	1.64	25	1.54	25	1.54
19	0.72	19	0.72	16	0.67	16	0.67	SAN JOSE	1	0.84	1	0.84	0	0.00	0	0.00
4	0.64	4	0.64	6	1.00	6	1.00	SANTA BARBARA	0	0.00	0	0.00	0	0.00	0	0.00
5	0.93	5	0.93	4	0.77	4	0.77	SAVANNAH	3	1.07	3	1.07	6	2.04	6	2.04
2	0.31	2	0.31	3	0.48	3	0.48	SCRANTON	C	0.00	0	0.00	0	0.00	0	0.00
25	0.69	25	0.69	14	0.40	14	0.40	SEATTLE	4	1.65	4	1.65	1	0.38	1	0.38
11	1.63	11	1.63	6	0.98	6	0.98	SHREVEPORT	20	4.30	20	4.30	13	2.70	13	2.70
4	0.96	4	0.96	5	1.35	5	1.35	SIOUX CITY	0	0.00	0	0.00	0	0.00	0	0.00
3	0.83	3	0.83	3	0.84	3	0.84	SIOUX FALLS	0	0.00	0	0.00	0	0.00	0	0.00
4	0.55	4	0.55	2	0.28	2	0.28	SOUTH BEND	3	3.52	3	3.52	1	1.33	1	1.33
4	0.40	4	0.40	2	0.22	2	0.22	SPOKANE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.78	4	0.78	1	0.21	1	0.21	SPRINGFIELD I.	2	7.25	2	7.25	0	0.00	0	0.00
8	1.92	8	1.92	1	0.28	1	0.28	SPRINGFIELD MO	0	0.00	0	0.00	0	0.00	0	0.00
1	0.25	1	0.25	1	0.27	1	0.27	SPRINGFIELD O.	0	0.00	0	0.00	0	0.00	0	0.00
14	0.82	14	0.82	8	0.49	8	0.49	SPRINGFIELD MA	1	1.13	1	1.13	0	0.00	0	0.00
3	0.55	3	0.55	0	0.00	0	0.00	STEUBENVILLE	0	0.00	0	0.00	0	0.00	0	0.00
9	1.19	9	1.19	10	1.46	10	1.46	STOCKTON	1	1.10	1	1.10	1	1.02	1	1.02
10	0.48	11	0.53	17	0.87	17	0.87	SYRACUSE	3	3.16	3	3.16	1	1.32	1	1.32
5	0.45	5	0.45	5	0.47	5	0.47	TACOMA	3	2.63	3	2.63	2	1.60	2	1.60
16	0.85	16	0.85	16	0.88	16	0.88	TAMPA	11	2.44	11	2.44	12	2.60	12	2.60
1	0.32	1	0.32	2	0.63	2	0.63	TERRE HAUTE	1	4.90	1	4.90	2	8.77	2	8.77
3	1.65	3	1.65	1	0.56	1	0.56	TEXARKANA	3	3.27	3	3.27	1	1.00	1	1.00
11	0.78	11	0.78	12	0.87	12	0.87	TOLEDO	4	2.06	4	2.06	3	1.43	3	1.43
5	0.88	5	0.88	2	0.38	2	0.38	TOPEKA	2	3.97	2	3.97	0	0.00	0	0.00
7	1.05	7	1.05	4	0.59	4	0.59	TRENTON	5	3.01	5	3.01	1	0.56	1	0.56
12	1.20	12	1.20	6	0.61	6	0.61	TUCSON	3	3.40	3	3.40	0	0.00	0	0.00
9	0.70	9	0.70	9	0.77	9	0.77	TULSA	4	2.17	4	2.17	3	1.74	3	1.74
0	0.00	0	0.00	0	0.00	0	0.00	TUSCALOOSA	3	2.16	3	2.16	4	3.22	4	3.22
0	0.00	0	0.00	0	0.00	0	0.00	TYLER	2	1.68	2	1.68	1	1.00	1	1.00
13	1.14	13	1.14	8	0.71	8	0.71	UTICA	3	8.77	3	8.77	0	0.00	0	0.00
4	0.91	4	0.91	3	0.76	3	0.76	WACO	1	0.90	1	0.90	3	2.56	3	2.56
43	0.78	43	0.78	33	0.63	33	0.63	WASHINGTON	39	1.57	39	1.57	27	1.14	27	1.14
8	1.63	8	1.63	6	1.32	6	1.32	WATERLOO	1	3.47	1	3.47	1	2.73	1	2.73
1	0.21	1	0.21	2	0.44	2	0.44	W. PALM BEACH	9	3.39	9	3.39	12	5.06	12	5.06
2	0.35	2	0.35	3	0.54	3	0.54	WHEELING	0	0.00	0	0.00	0	0.00	0	0.00
14	1.09	14	1.09	9	0.76	9	0.76	WICHITA	5	3.64	5	3.64	1	0.67	1	0.67
4	0.84	4	0.84	4	0.88	4	0.88	WICHITA FALLS	1	2.01	1	2.01	1	2.01	1	2.01
13	1.61	13	1.61	2	0.23	3	0.34	WILKES-BARRE	1	12.82	1	12.82	0	0.00	0	0.00
9	0.77	9	0.77	4	0.37	4	0.37	WILMINGTON	2	0.91	2	0.91	3	1.37	3	1.37
2	0.38	2	0.38	5	1.05	5	1.05	WINSTON-SALEM	3	1.45	3	1.45	4	2.06	4	2.06
20	0.98	20	0.98	18	0.97	18	0.97	WORCESTER	0	0.00	0	0.00	0	0.00	0	0.00
6	0.77	6	0.77	2	0.28	2	0.28	YORK	0	0.00	0	0.00	1	3.47	1	3.47
9	0.56	9	0.56	8	0.53	8	0.53	YOUNGSTOWN	9	3.83	9	3.83	2	1.02	2	1.02
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3,370	0.95	3,374	0.96	2,301	0.69	2,307	0.69	TOTAL 201 SMSA	1,748	2.69	1,755	2.70	1,247	1.95	1,252	1.96

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
NEONATAL DISORDERS ARISING FROM CERTAIN DISEASES OF THE MOTHER DURING PREGNANCY (I.S.C. 769)

MALE WHITE				FEMALE WHITE				S.M.S.A.	MALE NON-WHITE				FEMALE NON-WHITE			
-28 DAYS		-1 YR.		-28 DAYS		-1 YR.			-28 DAYS		-1 YR.		-28 DAYS		-1 YR.	
DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE		DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
0	0.00	0	0.00	2	0.45	2	0.45	ABILENE	0	0.00	0	0.00	0	0.00	0	0.00
7	0.42	7	0.42	3	0.19	3	0.19	AKRON	3	1.57	3	1.57	0	0.00	0	0.00
1	0.42	1	0.42	0	0.00	0	0.00	ALBANY GA	0	0.00	0	0.00	0	0.00	0	0.00
3	0.15	3	0.15	2	0.10	2	0.10	ALBANY NY	0	0.00	0	0.00	0	0.00	0	0.00
3	0.24	3	0.24	0	0.00	0	0.00	ALBUQUERQUE	0	0.00	0	0.00	0	0.00	0	0.00
2	0.14	2	0.14	0	0.00	0	0.00	ALLENTOWN	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.25	1	0.25	ALTOONA	0	0.00	0	0.00	0	0.00	0	0.00
1	0.17	1	0.17	0	0.00	0	0.00	AMARILLO	1	2.45	1	2.45	0	0.00	0	0.00
1	0.17	1	0.17	1	0.17	1	0.17	ANN ARBOR	1	1.87	1	1.87	1	1.76	1	1.74
0	0.00	0	0.00	0	0.00	0	0.00	ASHEVILLE	0	0.00	0	0.00	0	0.00	0	0.00
5	0.17	5	0.17	8	0.30	8	0.30	ATLANTA	3	0.27	3	0.27	4	0.37	4	0.37
0	0.00	0	0.00	1	0.30	1	0.30	ATLANTIC CITY	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	AUGUSTA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	2	0.28	2	0.28	AUSTIN	0	0.00	0	0.00	0	0.00	0	0.00
5	0.46	5	0.46	1	0.10	1	0.10	BAKERSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
4	0.09	4	0.09	7	0.16	7	0.16	BALTIMORE	4	0.21	4	0.21	4	0.21	4	0.21
1	0.16	1	0.16	1	0.16	1	0.16	BATON ROUGE	0	0.00	0	0.00	0	0.00	0	0.00
1	0.22	1	0.22	0	0.00	0	0.00	BAY CITY	0	0.00	0	0.00	0	0.00	0	0.00
1	0.11	1	0.11	1	0.13	1	0.13	BEAUMONT	3	1.00	3	1.00	2	0.62	2	0.62
0	0.00	0	0.00	0	0.00	0	0.00	BILLINGS	0	0.00	0	0.00	0	0.00	0	0.00
3	0.37	3	0.37	1	0.14	1	0.14	BINGHAMTON	0	0.00	0	0.00	0	0.00	0	0.00
1	0.07	1	0.07	2	0.15	2	0.15	BIRMINGHAM	3	0.33	3	0.33	3	0.32	3	0.32
7	0.07	8	0.08	5	0.05	5	0.05	BOSTON	0	0.00	0	0.00	0	0.00	0	0.00
5	0.26	5	0.26	1	0.05	1	0.05	BRIDGEPORT	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	BROCKTON	0	0.00	0	0.00	0	0.00	0	0.00
3	0.35	3	0.35	3	0.37	3	0.37	BROWNSVILLE	0	0.00	0	0.00	1	15.15	1	15.15
10	0.23	10	0.23	4	0.10	4	0.10	BUFFALO	1	0.21	1	0.21	1	0.22	1	0.22
2	0.18	2	0.18	2	0.19	2	0.19	CANTON	3	3.60	3	3.60	1	1.33	1	1.33
1	0.18	1	0.18	[illegible]	[illegible]	[illegible]	[illegible]	CEDAR RAPIDS	0	0.00	0	0.00	0	0.00	0	0.00
1	0.23	1	0.23	0	0.00	0	0.00	CHAMPAIGN	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	CHARLESTON SC	1	0.24	1	0.24	1	0.25	1	0.25
1	0.12	1	0.12	1	0.13	1	0.13	CHARLESTON WVA	0	0.00	0	0.00	0	0.00	0	0.00
1	0.13	1	0.13	1	0.15	1	0.15	CHARLOTTE	2	0.62	2	0.62	0	0.00	0	0.00
1	0.12	1	0.12	1	0.13	1	0.13	CHATTANOOGA	0	0.00	0	0.00	3	1.39	3	1.39
12	0.07	13	0.07	10	0.06	10	0.06	CHICAGO	4	0.08	4	0.08	3	0.06	3	0.06
10	0.28	11	0.30	5	0.15	5	0.15	CINCINNATI	1	0.16	1	0.16	1	0.17	1	0.17
10	0.20	11	0.22	6	0.12	6	0.12	CLEVELAND	2	0.17	2	0.17	5	0.42	5	0.42
5	1.29	5	1.29	0	0.00	1	0.27	COLORADO SPRGS	0	0.00	0	0.00	0	0.00	0	0.00
1	0.16	1	0.16	0	0.00	0	0.00	COLUMBIA	2	0.56	2	0.56	1	0.30	1	0.30
0	0.00	0	0.00	0	0.00	0	0.00	COLUMBUS GA	1	0.33	1	0.33	0	0.00	0	0.00
3	0.13	3	0.13	3	0.13	3	0.13	COLUMBUS OHIO	2	0.50	2	0.50	3	0.78	3	0.78
2	0.21	2	0.21	6	0.44	6	0.44	CORPUS CHRISTI	0	0.00	0	0.00	0	0.00	0	0.00
8	0.23	8	0.23	7	0.22	7	0.22	DALLAS	1	0.11	1	0.11	1	0.12	1	0.12
2	0.21	2	0.21	1	0.11	1	0.11	DAVENPORT	0	0.00	0	0.00	0	0.00	0	0.00
3	0.13	3	0.13	3	0.13	3	0.13	DAYTON	2	0.63	2	0.63	1	0.29	1	0.29
0	0.00	0	0.00	1	0.26	1	0.26	DECATUR	0	0.00	0	0.00	0	0.00	0	0.00
8	0.24	8	0.24	4	0.12	4	0.12	DENVER	0	0.00	0	0.00	1	0.52	1	0.52
1	0.10	1	0.10	3	0.32	3	0.32	DES MOINES	0	0.00	0	0.00	0	0.00	0	0.00
29	0.25	30	0.26	16	0.16	16	0.16	DETROIT	16	0.67	16	0.67	5	0.21	5	0.21
0	0.00	0	0.00	1	0.30	1	0.30	DUBUQUE	0	0.00	0	0.00	0	-	0	-
1	0.11	1	0.11	1	0.11	1	0.11	DULUTH	0	0.00	0	0.00	0	0.00	0	0.00
2	0.79	2	0.79	0	0.00	0	0.00	DURHAM	0	0.00	0	0.00	0	0.00	0	0.00
4	0.21	4	0.21	5	0.27	5	0.27	EL PASO	0	0.00	0	0.00	0	0.00	0	0.00
1	0.12	1	0.12	1	0.12	1	0.12	ERIE	1	2.19	1	2.19	1	2.16	1	2.16
3	0.50	3	0.50	0	0.00	0	0.00	EUGENE	0	0.00	0	0.00	0	0.00	0	0.00
1	0.15	1	0.15	1	0.16	1	0.16	EVANSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
3	0.24	3	0.24	1	0.09	1	0.09	FALL RIVER	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.24	1	0.24	FARGO	0	0.00	0	0.00	0	0.00	0	0.00
2	0.14	2	0.14	3	0.23	3	0.23	FLINT	0	0.00	0	0.00	3	1.38	3	1.38
0	0.00	0	0.00	1	0.13	1	0.13	FT. LAUDERDALE	2	0.57	2	0.57	4	1.10	4	1.10
1	0.45	1	0.45	0	0.00	0	0.00	FORT SMITH	0	0.00	0	0.00	0	0.00	0	0.00
1	0.12	1	0.12	0	0.00	0	0.00	FORT WAYNE	0	0.00	0	0.00	0	0.00	0	0.00
3	0.16	3	0.16	2	0.11	2	0.11	FORT WORTH	3	0.95	3	0.95	0	0.00	0	0.00
3	0.24	3	0.24	5	0.40	5	0.40	FRESNO	0	0.00	0	0.00	0	0.00	0	0.00
1	0.39	1	0.39	0	0.00	0	0.00	GADSDEN	1	1.54	1	1.54	0	0.00	0	0.00
0	0.00	0	0.00	1	0.27	1	0.27	GALVESTON	0	0.00	0	0.00	1	0.79	1	0.75
4	0.20	4	0.20	0	0.00	0	0.00	GARY	1	0.23	1	0.23	0	0.00	0	0.00
6	0.44	6	0.44	1	0.08	1	0.08	GRAND RAPIDS	1	1.15	1	1.15	0	0.00	0	0.00
1	0.29	1	0.29	0	0.00	0	0.00	GREAT FALLS	0	0.00	0	0.00	0	0.00	0	0.00
1	0.18	1	0.18	1	0.18	1	0.18	GREEN BAY	0	0.00	0	0.00	0	0.00	0	0.00
1	0.14	1	0.14	1	0.15	1	0.15	GREENSBORO	0	0.00	0	0.00	2	0.90	2	0.90
0	0.00	0	0.00	0	0.00	0	0.00	GREENVILLE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.15	1	0.15	HAMILTON	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.10	1	0.10	HARRISBURG	0	0.00	0	0.00	0	0.00	0	0.00
4	0.18	4	0.18	6	0.28	6	0.28	HARTFORD	0	0.00	0	0.00	0	0.00	0	0.00
1	0.13	1	0.13	2	0.28	2	0.28	HONOLULU	5	0.36	5	0.36	4	0.29	4	0.29
13	0.34	13	0.34	3	0.08	3	0.08	HOUSTON	2	0.15	2	0.15	6	0.47	6	0.47
0	0.00	0	0.00	1	0.13	1	0.13	HUNTINGTON	0	0.00	0	0.00	0	0.00	0	0.00
4	0.90	4	0.90	1	0.24	1	0.24	HUNTSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
3	0.13	3	0.13	4	0.18	4	0.18	INDIANAPOLIS	0	0.00	0	0.00	0	0.00	0	0.00
1	0.21	1	0.21	2	0.46	2	0.46	JACKSON MICH	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	1	0.25	JACKSON MISS	6	1.33	6	1.33	3	0.72	3	0.72
1	0.07	1	0.37	2	0.15	2	0.15	JACKSONVILLE	2	0.38	2	0.38	0	0.00	0	0.00
4	0.23	4	0.23	2	0.12	2	0.12	JERSEY CITY	1	0.38	1	0.38	0	0.00	0	0.00
4	0.45	4	0.45	2	0.24	2	0.24	JOHNSTOWN	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	KALAMAZOO	1	3.14	1	3.14	0	0.00	0	0.00
8	0.23	8	0.23	7	0.21	7	0.21	KANSAS CITY	3	0.43	3	0.43	0	0.00	0	0.00
2	0.30	2	0.30	0	0.00	0	0.00	KENOSHA	0	0.00	0	0.00	0	0.00	0	0.00
4	0.35	4	0.35	4	0.36	4	0.36	KNOXVILLE	0	0.00	0	0.00	1	0.91	1	0.91
0	0.00	0	0.00	0	0.00	0	0.00	LAKE CHARLES	2	1.15	2	1.15	0	0.00	0	0.00
4	0.41	4	0.41	3	0.33	3	0.33	LANCASTER	0	0.00	0	0.00	0	0.00	0	0.00
4	0.35	4	0.35	4	0.36	4	0.36	LANSING	0	0.00	0	0.00	0	0.00	0	0.00
2	0.48	2	0.48	0	0.00	0	0.00	LAREDO	0	0.00	0	0.00	0	0.00	0	0.00
3	0.65	3	0.65	1	0.23	1	0.23	LAS VEGAS	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	LAWTON	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.27	1	0.27	LEXINGTON	0	0.00	0	0.00	0	0.00	0	0.00
3	0.87	3	0.87	1	0.29	1	0.29	LIMA	0	0.00	0	0.00	1	2.60	1	2.60
1	0.19	1	0.19	1	0.17	1	0.17	LINCOLN	0	0.00	0	0.00	0	0.00	0	0.00
1	0.14	1	0.14	0	0.00	0	0.00	LITTLE ROCK	0	0.00	0	0.00	1	0.37	1	0.37
1	0.13	1	0.13	2	0.27	2	0.27	LORAIN	0	0.00	0	0.00	0	0.00	0	0.00
69	0.33	69	0.33	41	0.21	42	0.21	LOS ANGELES	13	0.43	13	0.43	7	0.24	7	0.24

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
NEONATAL DISORDERS ARISING FROM CERTAIN DISEASES OF THE MOTHER DURING PREGNANCY (I.S.C. 769)

MALE WHITE				FEMALE WHITE				S.M.S.A.	MALE NON-WHITE				FEMALE NON-WHITE			
-28 DAYS		-1 YR.		-28 DAYS		-1 YR.			-28 DAYS		-1 YR.		-28 DAYS		-1 YR.	
DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE		DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
4	0.16	4	0.16	6	0.26	6	0.26	LOUISVILLE	1	0.25	1	0.25	0	0.00	0	0.00
10	1.51	10	1.51	3	0.47	3	0.47	LUBBOCK	3	4.39	3	4.39	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	LYNCHBURG	0	0.00	0	0.00	0	0.00	0	0.00
1	0.21	1	0.21	1	0.23	1	0.23	MACON	2	0.68	2	0.68	0	0.00	0	0.00
3	0.31	3	0.31	0	0.00	0	0.00	MADISON	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.16	2	0.32	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
1	0.07	1	0.07	1	0.08	1	0.08	MEMPHIS	4	0.35	4	0.35	3	0.26	3	0.26
7	0.31	8	0.36	2	0.10	2	0.10	MIAMI	3	0.39	3	0.39	0	0.00	0	0.00
1	0.41	1	0.41	0	0.00	0	0.00	MIDLAND	0	0.00	0	0.00	0	0.00	0	0.00
16	0.37	16	0.37	12	0.29	12	0.29	MILWAUKEE	0	0.00	0	0.00	2	0.46	2	0.46
11	0.18	12	0.19	8	0.14	8	0.14	MINNEAPOLIS	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	4	0.51	4	0.51	MOBILE	0	0.00	0	0.00	0	0.00	0	0.00
1	0.38	1	0.38	0	0.00	0	0.00	MONROE	2	1.26	2	1.26	0	0.00	0	0.00
1	0.30	1	0.30	0	0.00	0	0.00	MONTGOMERY	1	0.34	1	0.34	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	MUNCIE	0	0.00	0	0.00	0	0.00	0	0.00
1	0.18	1	0.18	0	0.00	0	0.00	MUSKEGON	0	0.00	0	0.00	0	0.00	0	0.00
1	0.09	1	0.09	0	0.00	0	0.00	NASHVILLE	0	0.00	0	0.00	0	0.00	0	0.00
11	0.26	11	0.26	7	0.17	7	0.17	NEWARK	0	0.00	0	0.00	2	0.18	3	0.28
0	0.00	0	0.00	4	0.21	4	0.21	NEW HAVEN	1	0.52	1	0.52	0	0.00	0	0.00
4	0.18	5	0.23	0	0.00	0	0.00	NEW ORLEANS	0	0.00	0	0.00	1	0.08	1	0.08
2	0.30	2	0.30	1	0.15	1	0.15	NEWPORT	1	0.36	1	0.36	0	0.00	0	0.00
41	0.15	43	0.16	25	0.10	26	0.10	NEW YORK	7	0.12	7	0.12	7	0.12	7	0.12
7	0.41	7	0.41	4	0.24	4	0.24	NORFOLK	2	0.28	2	0.28	2	0.28	2	0.28
0	0.00	0	0.00	1	0.29	1	0.29	ODESSA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	OGDEN	0	0.00	0	0.00	0	0.00	0	0.00
3	0.17	3	0.17	3	0.19	3	0.19	OKLAHOMA CITY	0	0.00	0	0.00	1	0.36	1	0.36
4	0.22	4	0.22	2	0.12	2	0.12	OMAHA	1	0.57	1	0.57	0	0.00	0	0.00
1	0.10	1	0.10	1	0.10	1	0.10	ORLANDO	0	0.00	0	0.00	0	0.00	0	0.00
3	0.09	3	0.09	2	0.06	2	0.06	PATERSON	1	0.39	1	0.39	0	0.00	0	0.00
1	0.14	1	0.14	2	0.27	2	0.27	PENSACOLA	1	0.42	1	0.42	1	0.46	1	0.46
2	0.20	2	0.20	1	0.10	1	0.10	PEORIA	0	0.00	0	0.00	0	0.00	0	0.00
20	0.17	21	0.18	20	0.18	21	0.18	PHILADELPHIA	9	0.29	10	0.33	4	0.13	4	0.13
5	0.19	5	0.19	5	0.22	5	0.22	PHOENIX	0	0.00	0	0.00	0	0.00	0	0.00
15	0.21	15	0.21	12	0.18	12	0.18	PITTSBURGH	1	0.15	1	0.15	1	0.15	1	0.15
0	0.00	0	0.00	0	0.00	0	0.00	PITTSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
6	0.95	6	0.95	1	0.16	1	0.16	PORTLAND MAINE	0	0.00	0	0.00	0	0.00	0	0.00
13	0.51	13	0.51	4	0.17	4	0.17	PORTLAND OREG.	0	0.00	0	0.00	1	0.89	1	0.89
3	0.13	4	0.18	4	0.19	4	0.19	PROVIDENCE	0	0.00	0	0.00	0	0.00	0	0.00
3	0.61	3	0.61	1	0.21	1	0.21	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
3	0.70	3	0.70	2	0.47	2	0.47	PUEBLO	0	0.00	0	0.00	1	7.94	1	7.94
0	0.00	0	0.00	0	0.00	0	0.00	RACINE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	RALEIGH	1	0.56	1	0.56	0	0.00	0	0.00
0	0.00	0	0.00	1	0.13	1	0.13	READING	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.36	1	0.36	RENO	0	0.00	0	0.00	0	0.00	0	0.00
1	0.10	1	0.10	1	0.11	1	0.11	RICHMOND	0	0.00	0	0.00	1	0.23	1	0.23
2	0.47	2	0.47	0	0.00	0	0.00	ROANOKE	1	1.40	1	1.40	1	1.44	1	1.44
2	0.10	2	0.10	3	0.17	3	0.17	ROCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
1	0.12	1	0.12	1	0.13	1	0.13	ROCKFORD	0	0.00	0	0.00	0	0.00	0	0.00
4	0.21	4	0.21	3	0.17	3	0.17	SACRAMENTO	1	0.53	1	0.53	0	0.00	0	0.00
2	0.29	2	0.29	0	0.00	0	0.00	SAGINAW	1	0.98	1	0.98	0	0.00	0	0.00
1	0.34	1	0.34	1	0.35	1	0.35	ST. JOSEPH	0	0.00	0	0.00	0	0.00	0	0.00
8	0.13	8	0.13	11	0.18	11	0.18	ST. LOUIS	5	0.32	5	0.32	4	0.27	4	0.27
1	0.06	1	0.06	4	0.24	4	0.24	SALT LAKE CITY	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.42	1	0.42	SAN ANGELO	0	0.00	0	0.00	0	0.00	0	0.00
10	0.35	10	0.35	1	0.04	1	0.04	SAN ANTONIO	1	0.46	1	0.46	0	0.00	0	0.00
4	0.14	4	0.14	2	0.07	2	0.07	SAN BERNARDINO	1	0.44	1	0.44	0	0.00	0	0.00
12	0.32	12	0.32	8	0.22	8	0.22	SAN DIEGO	0	0.00	0	0.00	0	0.00	0	0.00
17	0.22	17	0.22	9	0.12	9	0.12	SAN FRANCISCO	4	0.24	4	0.24	6	0.37	6	0.37
5	0.19	5	0.19	4	0.17	4	0.17	SAN JOSE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.17	1	0.17	SANTA BARBARA	0	0.00	0	0.00	0	0.00	0	0.00
1	0.19	1	0.19	1	0.19	1	0.19	SAVANNAH	2	0.72	2	0.72	0	0.00	0	0.00
5	0.77	5	0.77	2	0.32	2	0.32	SCRANTON	0	0.00	0	0.00	0	0.00	0	0.00
11	0.30	11	0.30	7	0.20	7	0.20	SEATTLE	1	0.41	1	0.41	0	0.00	0	0.00
1	0.15	1	0.15	1	0.16	1	0.16	SHREVEPORT	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	SIOUX CITY	0	0.00	0	0.00	0	0.00	0	0.00
1	0.28	1	0.28	1	0.28	1	0.28	SIOUX FALLS	0	0.00	0	0.00	0	0.00	0	0.00
1	0.14	1	0.14	1	0.14	1	0.14	SOUTH BEND	0	0.00	0	0.00	0	0.00	0	0.00
1	0.10	1	0.10	1	0.11	1	0.11	SPOKANE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.21	1	0.21	SPRINGFIELD I.	0	0.00	0	0.00	0	0.00	0	0.00
1	0.24	1	0.24	1	0.28	1	0.28	SPRINGFIELD MO	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.27	1	0.27	SPRINGFIELD O.	0	0.00	0	0.00	0	0.00	0	0.00
2	0.12	2	0.12	0	0.00	0	0.00	SPRINGFIELD MA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.37	2	0.37	1	0.20	1	0.20	STEUBENVILLE	0	0.00	0	0.00	0	0.00	0	0.00
1	0.13	1	0.13	1	0.15	1	0.15	STOCKTON	0	0.00	0	0.00	0	0.00	0	0.00
9	0.43	9	0.43	3	0.15	3	0.15	SYRACUSE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.36	4	0.36	2	0.19	2	0.19	TACOMA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.11	2	0.11	4	0.22	4	0.22	TAMPA	1	0.22	1	0.22	1	0.22	1	0.22
2	0.64	2	0.64	0	0.00	0	0.00	TERRE HAUTE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	TEXARKANA	1	1.09	1	1.09	0	0.00	0	0.00
6	0.42	6	0.42	4	0.29	4	0.29	TOLEDO	0	0.00	0	0.00	0	0.00	0	0.00
1	0.18	1	0.18	1	0.19	1	0.19	TOPEKA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.30	2	0.30	0	0.00	0	0.00	TRENTON	0	0.00	0	0.00	1	0.56	1	0.56
1	0.10	1	0.10	2	0.20	2	0.20	TUCSON	1	1.13	1	1.13	1	1.24	1	1.24
2	0.16	2	0.16	5	0.43	5	0.43	TULSA	1	0.54	1	0.54	1	0.58	1	0.58
0	0.00	0	0.00	0	0.00	0	0.00	TUSCALOOSA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	TYLER	0	0.00	0	0.00	1	1.00	1	1.00
4	0.35	4	0.35	4	0.35	4	0.35	UTICA	0	0.00	0	0.00	0	0.00	0	0.00
1	0.23	1	0.23	1	0.25	1	0.25	WACO	0	0.00	0	0.00	1	0.85	1	0.85
13	0.23	14	0.25	6	0.11	6	0.11	WASHINGTON	2	0.08	2	0.08	2	0.08	2	0.08
1	0.20	1	0.20	1	0.22	1	0.22	WATERLOO	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	W. PALM BEACH	0	0.00	0	0.00	2	0.84	2	0.84
1	0.17	1	0.17	1	0.18	1	0.18	WHEELING	0	0.00	0	0.00	0	0.00	0	0.00
8	0.62	8	0.62	2	0.17	2	0.17	WICHITA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	WICHITA FALLS	0	0.00	0	0.00	0	0.00	0	0.00
1	0.11	1	0.11	1	0.11	1	0.11	WILKES-BARRE	0	0.00	0	0.00	0	0.00	0	0.00
2	0.17	2	0.17	1	0.09	1	0.09	WILMINGTON	1	0.46	1	0.46	0	0.00	0	0.00
0	0.00	0	0.00	1	0.21	1	0.21	WINSTON-SALEM	3	1.45	3	1.45	0	0.00	0	0.00
4	0.20	4	0.20	1	0.05	1	0.05	WORCESTER	0	0.00	0	0.00	0	0.00	0	0.00
1	0.13	1	0.13	2	0.28	2	0.28	YORK	0	0.00	0	0.00	0	0.00	0	0.00
2	0.12	2	0.12	4	0.27	4	0.27	YOUNGSTOWN	2	0.85	2	0.85	1	0.51	1	0.51
710	0.20	723	0.20	490	0.15	*496	0.15	TOTAL 201 SMSA	170	0.26	171	0.26	125	0.20	126	0.20

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
HEMOLYTIC DISEASES OF NEWBORN (I.S.C. 770)

MALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE
1	0.22	1	0.22	2	0.45	2	0.45	ABILENE	0	0.00	0	0.00	0	0.00	0	0.00
18	1.07	18	1.07	16	1.01	16	1.01	AKRON	1	0.52	1	0.52	2	1.10	2	1.10
0	0.00	0	0.00	4	1.74	4	1.74	ALBANY GA	0	0.00	0	0.00	0	0.00	0	0.00
11	0.53	11	0.53	11	0.55	11	0.55	ALBANY NY	0	0.00	0	0.00	0	0.00	0	0.00
6	0.48	7	0.56	4	0.35	4	0.35	ALBUQUERQUE	0	0.00	0	0.00	0	0.00	0	0.00
10	0.68	10	0.68	3	0.22	3	0.22	ALLENTOWN	0	0.00	0	0.00	0	0.00	0	0.00
1	0.24	1	0.24	2	0.50	2	0.50	ALTOONA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	2	0.35	2	0.35	AMARILLO	0	0.00	0	0.00	0	0.00	0	0.00
5	0.85	5	0.85	4	0.66	4	0.66	ANN ARBOR	0	0.00	0	0.00	0	0.00	0	0.00
2	0.54	2	0.54	1	0.29	1	0.29	ASHEVILLE	0	0.00	0	0.00	0	0.00	0	0.00
7	0.24	7	0.24	17	0.64	17	0.64	ATLANTA	6	0.54	6	0.54	5	0.46	5	0.46
1	0.28	2	0.56	0	0.00	1	0.30	ATLANTIC CITY	0	0.00	0	0.00	1	0.87	1	0.87
2	0.37	2	0.37	2	0.40	2	0.40	AUGUSTA	1	0.35	1	0.35	0	0.00	0	0.00
4	0.56	4	0.56	2	0.28	2	0.28	AUSTIN	1	0.81	1	0.81	0	0.00	0	0.00
4	0.37	4	0.37	2	0.20	2	0.20	BAKERSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
25	0.54	25	0.54	31	0.72	31	0.72	BALTIMORE	3	0.16	3	0.16	5	0.26	5	0.26
4	0.62	4	0.62	1	0.16	1	0.16	BATON ROUGE	3	0.85	3	0.85	1	0.30	1	0.30
7	1.57	7	1.57	3	0.71	3	0.71	BAY CITY	0	0.00	0	0.00	0	0.00	0	0.00
3	0.33	3	0.33	6	0.75	6	0.75	BEAUMONT	2	0.67	2	0.67	0	0.00	0	0.00
0	0.00	0	0.00	1	0.32	1	0.32	BILLINGS	0	0.00	0	0.00	0	0.00	0	0.00
3	0.37	3	0.37	4	0.54	4	0.54	BINGHAMTON	0	0.00	0	0.00	0	0.00	0	0.00
4	0.28	4	0.28	5	0.38	5	0.38	BIRMINGHAM	1	0.11	1	0.11	0	0.00	0	0.00
83	0.80	83	0.80	79	0.81	79	0.81	BOSTON	0	0.00	0	0.00	0	0.00	0	0.00
10	0.52	10	0.52	8	0.43	8	0.43	BRIDGEPORT	0	0.00	0	0.00	0	0.00	0	0.00
7	0.81	7	0.81	4	0.48	4	0.48	BROCKTON	0	0.00	0	0.00	0	0.00	0	0.00
4	0.47	4	0.47	5	0.61	5	0.61	BROWNSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
39	0.91	41	0.96	23	0.57	23	0.57	BUFFALO	3	0.64	3	0.64	1	0.22	1	0.22
7	0.62	7	0.62	6	0.56	6	0.56	CANTON	0	0.00	0	0.00	0	0.00	0	0.00
4	0.73	4	0.73	2	0.37	2	0.37	CEDAR RAPIDS	0	0.00	0	0.00	0	0.00	0	0.00
6	1.38	6	1.38	3	0.77	3	0.77	CHAMPAIGN	0	0.00	0	0.00	0	0.00	0	0.00
8	1.27	8	1.27	3	0.50	3	0.50	CHARLESTON SC	0	0.00	0	0.00	2	0.50	2	0.50
6	0.70	6	0.70	1	0.13	1	0.13	CHARLESTON WVA	0	0.00	0	0.00	0	0.00	0	0.00
3	0.40	3	0.40	2	0.29	2	0.29	CHARLOTTE	3	0.92	3	0.92	1	0.31	1	0.31
5	0.62	5	0.62	7	0.90	7	0.90	CHATTANOOGA	0	0.00	0	0.00	0	0.00	0	0.00
104	0.57	104	0.57	107	0.61	107	0.61	CHICAGO	6	0.12	7	0.14	6	0.12	6	0.12
20	0.55	21	0.58	30	0.87	30	0.87	CINCINNATI	2	0.32	2	0.32	2	0.35	2	0.35
29	0.57	29	0.57	36	0.74	37	0.76	CLEVELAND	3	0.25	3	0.25	6	0.50	6	0.50
2	0.52	2	0.52	5	1.34	5	1.34	COLORADO SPRGS	1	8.33	1	8.33	0	0.00	0	0.00
2	0.32	2	0.32	2	0.35	2	0.35	COLUMBIA	0	0.00	0	0.00	1	0.30	1	0.30
2	0.29	2	0.29	3	0.48	3	0.48	COLUMBUS GA	0	0.00	0	0.00	0	0.00	0	0.00
14	0.59	14	0.59	8	0.35	8	0.35	COLUMBUS OHIO	2	0.50	2	0.50	4	1.04	4	1.04
5	0.52	5	0.52	1	0.11	1	0.11	CORPUS CHRISTI	0	0.00	0	0.00	0	0.00	0	0.00
2	0.06	2	0.06	12	0.37	12	0.37	DALLAS	1	0.11	1	0.11	0	0.00	0	0.00
4	0.41	4	0.41	5	0.53	5	0.53	DAVENPORT	0	0.00	0	0.00	0	0.00	0	0.00
11	0.47	11	0.47	15	0.67	15	0.67	DAYTON	2	0.63	2	0.63	0	0.00	0	0.00
3	0.78	3	0.78	1	0.26	1	0.26	DECATUR	0	0.00	0	0.00	0	0.00	0	0.00
12	0.35	12	0.35	12	0.36	12	0.36	DENVER	2	1.06	2	1.06	0	0.00	0	0.00
1	0.10	1	0.10	4	0.43	4	0.43	DES MOINES	0	0.00	0	0.00	0	0.00	0	0.00
87	0.74	87	0.74	67	0.59	68	0.60	DETROIT	4	0.17	5	0.21	4	0.17	4	0.17
1	0.27	1	0.27	3	0.90	3	0.90	DUBUQUE	0	0.00	0	0.00	0	-	0	-
7	0.75	7	0.75	4	0.42	4	0.42	DULUTH	0	0.00	0	0.00	0	0.00	0	0.00
1	0.39	1	0.39	0	0.00	0	0.00	DURHAM	0	0.00	0	0.00	0	0.00	0	0.00
7	0.36	7	0.36	10	0.53	10	0.53	EL PASO	0	0.00	0	0.00	0	0.00	0	0.00
5	0.59	5	0.59	9	1.10	9	1.10	ERIE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.66	4	0.66	1	0.18	1	0.18	EUGENE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.61	4	0.61	2	0.33	2	0.33	EVANSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
6	0.49	6	0.49	3	0.26	3	0.26	FALL RIVER	0	0.00	0	0.00	0	0.00	0	0.00
3	0.66	3	0.66	3	0.71	3	0.71	FARGO	0	0.00	0	0.00	0	0.00	0	0.00
12	0.86	12	0.86	12	0.91	12	0.91	FLINT	1	0.47	1	0.47	0	0.00	0	0.00
3	0.39	3	0.39	3	0.39	3	0.39	FT. LAUDERDALE	0	0.00	0	0.00	0	0.00	0	0.00
2	0.89	2	0.89	0	0.00	0	0.00	FORT SMITH	0	0.00	0	0.00	0	0.00	0	0.00
6	0.71	6	0.71	5	0.61	5	0.61	FORT WAYNE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.21	4	0.21	7	0.40	7	0.40	FORT WORTH	2	0.63	2	0.63	1	0.36	1	0.36
4	0.31	4	0.31	2	0.16	2	0.16	FRESNO	0	0.00	0	0.00	0	0.00	0	0.00
1	0.39	1	0.39	2	0.80	2	0.80	GADSDEN	0	0.00	0	0.00	0	0.00	0	0.00
1	0.26	1	0.26	1	0.27	1	0.27	GALVESTON	0	0.00	0	0.00	0	0.00	0	0.00
9	0.46	9	0.46	16	0.86	16	0.86	GARY	2	0.45	2	0.45	0	0.00	0	0.00
9	0.65	9	0.65	9	0.68	9	0.68	GRAND RAPIDS	0	0.00	0	0.00	0	0.00	0	0.00
3	0.86	3	0.86	1	0.32	1	0.32	GREAT FALLS	0	0.00	0	0.00	0	0.00	0	0.00
4	0.71	4	0.71	6	1.11	6	1.11	GREEN BAY	0	0.00	0	0.00	0	0.00	0	0.00
3	0.43	3	0.43	0	0.00	0	0.00	GREENSBORO	3	1.26	3	1.26	0	0.00	0	0.00
4	0.62	4	0.62	4	0.69	4	0.69	GREENVILLE	1	0.57	1	0.57	0	0.00	0	0.00
4	0.53	4	0.53	2	0.30	2	0.30	HAMILTON	0	0.00	0	0.00	0	0.00	0	0.00
8	0.75	8	0.75	7	0.71	7	0.71	HARRISBURG	0	0.00	0	0.00	0	0.00	0	0.00
14	0.62	15	0.66	12	0.55	12	0.55	HARTFORD	0	0.00	0	0.00	0	0.00	0	0.00
5	0.64	5	0.64	3	0.43	3	0.43	HONOLULU	3	0.20	3	0.20	3	0.21	3	0.21
16	0.42	16	0.42	15	0.42	16	0.45	HOUSTON	3	0.22	3	0.22	2	0.16	2	0.16
4	0.49	4	0.49	6	0.79	6	0.79	HUNTINGTON	0	0.00	0	0.00	0	0.00	0	0.00
3	0.67	3	0.67	1	0.24	1	0.24	HUNTSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
15	0.63	15	0.63	11	0.50	11	0.50	INDIANAPOLIS	1	0.18	1	0.18	2	0.38	2	0.38
3	0.64	3	0.64	4	0.91	4	0.91	JACKSON MICH	0	0.00	0	0.00	0	0.00	0	0.00
1	0.23	1	0.23	1	0.25	1	0.25	JACKSON MISS	0	0.00	0	0.00	0	0.00	0	0.00
6	0.43	6	0.43	3	0.23	3	0.23	JACKSONVILLE	0	0.00	0	0.00	0	0.00	0	0.00
13	0.74	13	0.74	16	0.98	16	0.98	JERSEY CITY	0	0.00	0	0.00	1	0.37	1	0.37
2	0.22	2	0.22	1	0.12	1	0.12	JOHNSTOWN	0	0.00	0	0.00	0	0.00	0	0.00
3	0.48	3	0.48	3	0.51	3	0.51	KALAMAZOO	0	0.00	0	0.00	0	0.00	0	0.00
12	0.35	[illegible]	0.35	19	0.58	19	0.58	KANSAS CITY	4	0.58	4	0.58	1	0.17	1	0.17
3	0.75	[illegible]	0.75	2	0.48	2	0.48	KENOSHA	0	0.00	0	0.00	0	0.00	0	0.00
6	0.52	[illegible]	0.52	5	0.44	5	0.44	KNOXVILLE	0	0.00	0	0.00	0	0.00	0	0.00
2	0.37	2	0.37	3	0.62	3	0.62	LAKE CHARLES	0	0.00	0	0.00	3	1.66	3	1.66
5	0.51	6	0.61	7	0.78	7	0.78	LANCASTER	0	0.00	0	0.00	0	0.00	0	0.00
3	0.26	3	0.26	5	0.44	5	0.44	LANSING	1	2.31	1	2.31	0	0.00	0	0.00
2	0.48	2	0.48	0	0.00	0	0.00	LAREDO	0	0.00	0	0.00	0	0.00	0	0.00
2	0.44	2	0.44	1	0.23	1	0.23	LAS VEGAS	0	0.00	0	0.00	0	0.00	0	0.00
2	0.51	2	0.51	1	0.28	1	0.28	LAWTON	0	0.00	0	0.00	0	0.00	0	0.00
1	0.23	1	0.23	2	0.53	2	0.53	LEXINGTON	0	0.00	0	0.00	0	0.00	0	0.00
2	0.58	2	0.58	4	1.15	4	1.15	LIMA	0	0.00	0	0.00	0	0.00	0	0.00
1	0.15	1	0.15	3	0.50	3	0.50	LINCOLN	0	0.00	0	0.00	0	0.00	0	0.00
2	0.28	3	0.43	2	0.28	2	0.28	LITTLE ROCK	0	0.00	0	0.00	0	0.00	0	0.00
8	1.00	8	1.00	4	0.54	4	0.54	LORAIN	0	0.00	0	0.00	0	0.00	0	0.00
102	0.49	102	0.49	105	0.53	106	0.53	LOS ANGELES	10	0.33	10	0.33	5	0.17	5	0.17

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
HEMOLYTIC DISEASES OF NEWBORN (I.S.C. 770)

MALE WHITE -28 DAYS DEATHS	MALE WHITE -28 DAYS RATE	MALE WHITE -1 YR. DEATHS	MALE WHITE -1 YR. RATE	FEMALE WHITE -28 DAYS DEATHS	FEMALE WHITE -28 DAYS RATE	FEMALE WHITE -1 YR. DEATHS	FEMALE WHITE -1 YR. RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	MALE NON-WHITE -28 DAYS RATE	MALE NON-WHITE -1 YR. DEATHS	MALE NON-WHITE -1 YR. RATE	FEMALE NON-WHITE -28 DAYS DEATHS	FEMALE NON-WHITE -28 DAYS RATE	FEMALE NON-WHITE -1 YR. DEATHS	FEMALE NON-WHITE -1 YR. RATE
14	0.56	14	0.56	12	0.51	12	0.51	LOUISVILLE	0	0.00	0	0.00	0	0.00	0	0.00
4	0.60	4	0.60	3	0.47	3	0.47	LUBBOCK	0	0.00	0	0.00	0	0.00	0	0.00
4	1.38	4	1.38	1	0.37	1	0.37	LYNCHBURG	0	0.00	0	0.00	0	0.00	0	0.00
3	0.63	3	0.63	3	0.68	3	0.68	MACON	0	0.00	0	0.00	0	0.00	0	0.00
6	0.62	6	0.62	1	0.11	1	0.11	MADISON	0	0.00	0	0.00	0	0.00	0	0.00
4	0.64	4	0.64	6	0.95	6	0.95	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
7	0.50	7	0.50	12	0.93	12	0.93	MEMPHIS	3	0.26	3	0.26	1	0.09	1	0.09
7	0.31	7	0.31	7	0.34	7	0.34	MIAMI	2	0.26	2	0.26	0	0.00	0	0.00
0	0.00	0	0.00	1	0.41	1	0.41	MIDLAND	0	0.00	0	0.00	0	0.00	0	0.00
29	0.66	29	0.66	32	0.78	32	0.78	MILWAUKEE	0	0.00	0	0.00	2	0.46	2	0.46
39	0.63	39	0.63	36	0.63	36	0.63	MINNEAPOLIS	1	0.70	1	0.70	0	0.00	0	0.00
4	0.67	4	0.67	3	0.38	3	0.38	MOBILE	1	0.19	1	0.19	0	0.00	0	0.00
1	0.38	1	0.38	1	0.41	1	0.41	MONROE	0	0.00	0	0.00	0	0.00	0	0.00
3	0.90	3	0.90	2	0.62	2	0.62	MONTGOMERY	2	0.68	2	0.68	0	0.00	0	0.00
2	0.54	2	0.54	5	1.37	5	1.37	MUNCIE	0	0.00	0	0.00	0	0.00	0	0.00
3	0.54	3	0.54	4	0.75	4	0.75	MUSKEGON	2	2.49	2	2.49	0	0.00	0	0.00
10	0.86	10	0.86	6	0.54	6	0.54	NASHVILLE	1	0.31	1	0.31	2	0.61	2	0.61
37	0.86	37	0.86	25	0.59	25	0.59	NEWARK	7	0.62	7	0.62	0	0.00	0	0.00
14	0.67	14	0.67	17	0.89	17	0.89	NEW HAVEN	1	0.52	1	0.52	1	0.57	1	0.57
3	0.14	3	0.14	8	0.38	8	0.38	NEW ORLEANS	6	0.43	6	0.43	5	0.38	5	0.38
4	0.60	4	0.60	1	0.15	1	0.15	NEWPORT	0	0.00	0	0.00	1	0.35	1	0.35
135	0.49	135	0.49	140	0.53	141	0.54	NEW YORK	10	0.17	10	0.17	11	0.19	11	0.19
7	0.41	7	0.41	10	0.61	10	0.61	NORFOLK	1	0.14	1	0.14	0	0.00	0	0.00
2	0.53	2	0.53	3	0.86	3	0.86	ODESSA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	2	0.44	2	0.44	OGDEN	0	0.00	0	0.00	0	0.00	0	0.00
9	0.52	9	0.52	11	0.69	11	0.69	OKLAHOMA CITY	0	0.00	0	0.00	0	0.00	0	0.00
15	0.83	15	0.83	15	0.88	15	0.88	OMAHA	0	0.00	0	0.00	0	0.00	0	0.00
7	0.71	7	0.71	3	0.30	3	0.30	ORLANDO	1	0.35	1	0.35	1	0.36	1	0.36
27	0.79	27	0.79	20	0.61	21	0.64	PATERSON	0	0.00	0	0.00	0	0.00	0	0.00
2	0.28	2	0.28	5	0.68	5	0.68	PENSACOLA	0	0.00	0	0.00	0	0.00	0	0.00
6	0.60	6	0.60	3	0.30	3	0.30	PEORIA	0	0.00	0	0.00	0	0.00	0	0.00
77	0.66	77	0.66	76	0.67	77	0.68	PHILADELPHIA	11	0.36	11	0.36	5	0.16	6	0.20
12	0.46	12	0.46	7	0.30	7	0.30	PHOENIX	0	0.00	0	0.00	0	0.00	0	0.00
33	0.46	33	0.46	40	0.58	40	0.58	PITTSBURGH	3	0.44	4	0.58	2	0.30	2	0.30
6	1.24	6	1.24	3	0.67	3	0.67	PITTSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
3	0.47	3	0.47	3	0.47	3	0.47	PORTLAND MAINE	0	0.00	0	0.00	0	0.00	0	0.00
10	0.39	10	0.39	11	0.45	11	0.45	PORTLAND OREG.	0	0.00	0	0.00	0	0.00	0	0.00
10	0.45	10	0.45	14	0.75	17	0.79	PROVIDENCE	0	0.00	0	0.00	1	1.17	1	1.17
2	0.41	2	0.41	6	0.83	6	0.83	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
2	0.47	2	0.47	5	1.17	5	1.17	PUEBLO	0	0.00	0	0.00	0	0.00	0	0.00
7	1.24	7	1.24	7	1.39	7	1.39	RACINE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	4	1.00	4	1.00	RALEIGH	2	1.11	3	1.67	0	0.00	0	0.00
2	0.26	2	0.26	8	1.06	8	1.06	READING	0	0.00	0	0.00	0	0.00	0	0.00
5	1.64	5	1.64	3	1.07	3	1.07	RENO	0	0.00	0	0.00	0	0.00	0	0.00
3	0.30	3	0.30	2	0.21	2	0.21	RICHMOND	0	0.00	0	0.00	1	0.23	1	0.23
0	0.00	0	0.00	0	0.00	0	0.00	ROANOKE	0	0.00	0	0.00	0	0.00	0	0.00
12	0.62	12	0.62	12	0.68	12	0.68	ROCHESTER	1	0.65	1	0.65	0	0.00	0	0.00
2	0.24	2	0.24	2	0.27	2	0.27	ROCKFORD	1	2.06	1	2.06	0	0.00	0	0.00
14	0.75	14	0.75	15	0.84	15	0.84	SACRAMENTO	0	0.00	0	0.00	1	0.47	1	0.47
11	1.59	11	1.59	4	0.60	4	0.60	SAGINAW	0	0.00	0	0.00	0	0.00	0	0.00
1	0.34	1	0.34	1	0.35	1	0.35	ST. JOSEPH	0	0.00	0	0.00	0	0.00	0	0.00
35	0.55	35	0.55	26	0.43	26	0.43	ST. LOUIS	2	0.13	2	0.13	3	0.20	3	0.20
12	0.69	12	0.69	11	0.67	11	0.67	SALT LAKE CITY	0	0.00	0	0.00	0	0.00	0	0.00
1	0.42	1	0.42	0	0.00	0	0.00	SAN ANGELO	0	0.00	0	0.00	0	0.00	0	0.00
21	0.74	21	0.74	13	0.49	13	0.49	SAN ANTONIO	0	0.00	0	0.00	0	0.00	0	0.00
11	0.38	11	0.38	12	0.45	12	0.45	SAN BERNARDINO	0	0.00	0	0.00	3	1.54	3	1.54
28	0.76	28	0.76	10	0.27	11	0.30	SAN DIEGO	1	0.25	1	0.25	1	0.28	1	0.28
41	0.52	41	0.52	40	0.54	40	0.54	SAN FRANCISCO	7	0.43	7	0.43	9	0.55	9	0.55
10	0.38	10	0.38	9	0.38	9	0.38	SAN JOSE	1	0.84	1	0.84	0	0.00	0	0.00
2	0.32	2	0.32	3	0.50	3	0.50	SANTA BARBARA	0	0.00	0	0.00	0	0.00	0	0.00
3	0.56	3	0.56	1	0.19	1	0.19	SAVANNAH	2	0.72	2	0.72	1	0.34	1	0.34
5	0.77	5	0.77	3	0.48	3	0.48	SCRANTON	0	0.00	0	0.00	0	0.00	0	0.00
21	0.58	22	0.61	28	0.80	28	0.80	SEATTLE	1	0.41	1	0.41	0	0.00	0	0.00
8	1.18	8	1.18	2	0.33	2	0.33	SHREVEPORT	2	0.43	2	0.43	1	0.21	1	0.21
0	0.00	0	0.00	2	0.54	2	0.54	SIOUX CITY	0	0.00	0	0.00	0	0.00	0	0.00
2	0.55	2	0.55	1	0.28	1	0.28	SIOUX FALLS	0	0.00	0	0.00	0	0.00	0	0.00
5	0.69	5	0.69	5	0.70	5	0.70	SOUTH BEND	0	0.00	0	0.00	1	1.33	1	1.33
7	0.70	7	0.70	3	0.33	3	0.33	SPOKANE	0	0.00	0	0.00	0	0.00	0	0.00
5	0.97	5	0.97	5	1.07	5	1.07	SPRINGFIELD I.	0	0.00	0	0.00	0	0.00	0	0.00
3	0.72	3	0.72	0	0.00	0	0.00	SPRINGFIELD MO	0	0.00	0	0.00	0	0.00	0	0.00
3	0.74	3	0.74	1	0.27	1	0.27	SPRINGFIELD O.	0	0.00	0	0.00	0	0.00	0	0.00
15	0.88	15	0.88	7	0.43	7	0.43	SPRINGFIELD MA	0	0.00	0	0.00	0	0.00	0	0.00
8	1.48	8	1.48	6	0.80	6	0.80	STEUBENVILLE	2	7.94	2	7.94	0	0.00	0	0.00
6	0.80	6	0.80	2	0.29	2	0.29	STOCKTON	2	2.19	2	2.19	0	0.00	0	0.00
10	0.48	10	0.48	19	0.97	19	0.97	SYRACUSE	0	0.00	0	0.00	0	0.00	0	0.00
6	0.54	6	0.54	6	0.56	6	0.56	TACOMA	0	0.00	0	0.00	0	0.00	0	0.00
12	0.64	12	0.64	6	0.33	6	0.33	TAMPA	0	0.00	0	0.00	1	0.22	1	0.22
2	0.64	2	0.64	4	1.26	4	1.26	TERRE HAUTE	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	TEXARKANA	0	0.00	0	0.00	0	0.00	0	0.00
9	0.64	9	0.64	8	0.58	8	0.58	TOLEDO	1	0.51	1	0.51	2	0.95	2	0.95
5	0.88	5	0.88	2	0.38	2	0.38	TOPEKA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.30	2	0.30	2	0.30	2	0.30	TRENTON	0	0.00	0	0.00	0	0.00	0	0.00
8	0.80	8	0.80	5	0.91	5	0.91	TUCSON	0	0.00	0	0.00	0	0.00	0	0.00
8	0.62	8	0.62	4	0.34	4	0.34	TULSA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.83	2	0.83	1	0.40	1	0.40	TUSCALOOSA	0	0.00	0	0.00	0	0.00	0	0.00
1	0.50	1	0.50	0	0.00	0	0.00	TYLER	0	0.00	0	0.00	0	0.00	0	0.00
5	0.44	5	0.44	10	0.89	10	0.89	UTICA	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	1	0.25	1	0.25	WACO	0	0.00	0	0.00	0	0.00	0	0.00
34	0.61	34	0.61	22	0.42	22	0.42	WASHINGTON	6	0.24	6	0.24	5	0.21	5	0.21
5	1.02	5	1.02	5	1.10	5	1.10	WATERLOO	0	0.00	0	0.00	0	0.00	0	0.00
6	1.24	6	1.24	3	0.66	3	0.66	W. PALM BEACH	1	0.38	1	0.38	0	0.00	0	0.00
6	1.04	7	1.21	6	1.08	6	1.08	WHEELING	0	0.00	0	0.00	0	0.00	0	0.00
7	0.54	7	0.54	6	0.91	6	0.91	WICHITA	0	0.00	0	0.00	1	0.67	1	0.67
0	0.00	0	0.00	1	0.22	1	0.22	WICHITA FALLS	0	0.00	0	0.00	0	0.00	0	0.00
2	0.22	3	0.33	5	0.57	5	0.57	WILKES-BARRE	0	0.00	0	0.00	0	0.00	0	0.00
2	0.17	3	0.26	13	1.20	13	1.20	WILMINGTON	1	0.46	1	0.46	1	0.46	1	0.46
2	0.36	2	0.38	2	0.42	2	0.42	WINSTON-SALEM	2	0.96	2	0.96	0	0.00	0	0.00
9	0.44	9	0.44	17	0.91	17	0.91	WORCESTER	0	0.00	0	0.00	0	0.00	0	0.00
7	0.90	7	0.90	5	0.69	5	0.69	YORK	0	0.00	0	0.00	0	0.00	0	0.00
18	1.12	18	1.12	12	0.80	12	0.80	YOUNGSTOWN	2	0.85	2	0.85	1	0.51	2	1.02
1,991	0.56	2,003	0.57	1,899	0.57	1,909	0.57	TOTAL 201 SMSA	167	0.26	171	0.26	123	0.19	125	0.20

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
OTHER DISEASES PECULIAR TO EARLY INFANCY (I.S.C. 771-773)

MALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE
11	2.46	11	2.46	6	1.34	8	1.79	ABILENE	1	3.70	1	3.70	2	5.95	2	5.95
27	1.60	28	1.66	23	1.46	24	1.52	AKRON	6	3.13	6	3.13	4	2.20	4	2.20
3	1.26	3	1.26	4	1.76	4	1.74	ALBANY GA	7	5.05	11	7.94	1	0.77	4	3.07
31	1.50	35	1.70	14	0.70	14	0.70	ALBANY NY	2	1.98	2	1.98	2	2.30	2	2.30
46	3.70	47	3.78	29	2.40	31	2.68	ALBUQUERQUE	6	7.81	6	7.81	2	3.00	2	3.00
31	2.10	32	2.17	17	1.26	17	1.26	ALLENTOWN	2	7.58	2	7.58	0	0.00	0	0.00
8	1.89	9	2.12	8	2.00	8	2.00	ALTOONA	0	0.00	0	0.00	0	0.00	0	0.00
20	3.36	20	3.36	9	1.57	9	1.57	AMARILLO	0	0.00	0	0.00	0	0.00	0	0.00
14	2.38	16	2.72	6	0.99	6	0.99	ANN ARBOR	1	1.87	1	1.87	0	0.00	0	0.00
6	1.61	6	1.61	6	1.73	6	1.73	ASHEVILLE	0	0.00	0	0.00	0	0.00	0	0.00
58	1.07	62	2.10	47	1.76	47	1.76	ATLANTA	60	5.37	69	6.18	50	4.63	56	5.19
7	1.96	7	1.96	2	0.40	2	0.60	ATLANTIC CITY	0	0.00	0	0.00	0	0.00	0	0.00
14	2.03	17	3.11	7	1.41	7	1.41	AUGUSTA	11	3.85	13	4.55	5	1.72	8	2.75
11	1.55	13	1.83	6	0.83	7	0.97	AUSTIN	3	2.44	3	2.44	4	3.77	6	5.65
7	0.65	7	0.65	7	0.70	7	0.70	BAKERSFIELD	3	2.75	3	2.75	1	0.87	1	0.87
107	2.33	110	2.39	55	1.28	59	1.37	BALTIMORE	67	3.51	81	4.25	54	2.85	62	3.27
7	1.09	7	1.09	7	1.13	7	1.13	BATON ROUGE	8	2.27	14	3.41	4	1.18	4	1.18
9	2.02	10	2.25	2	0.48	2	0.48	BAY CITY	0	0.00	0	0.00	0	0.00	0	0.00
14	1.52	14	1.52	10	1.25	10	1.25	BEAUMONT	12	4.02	14	4.69	9	2.80	11	3.42
7	2.42	7	2.42	5	1.62	5	1.62	BILLINGS	0	0.00	0	0.00	0	0.00	0	0.00
6	0.75	6	0.75	1	0.14	1	0.14	BINGHAMTON	0	0.00	0	0.00	0	0.00	0	0.00
33	2.34	33	2.34	15	1.15	16	1.23	BIRMINGHAM	28	3.11	33	3.66	23	2.47	28	3.00
185	1.79	189	1.83	127	1.30	128	1.31	BOSTON	8	1.73	8	1.73	9	2.07	9	2.07
32	1.67	32	1.67	7	0.37	7	0.37	BRIDGEPORT	6	3.65	6	3.65	0	0.00	0	0.00
8	0.92	9	1.04	11	1.32	11	1.32	BROCKTON	1	4.07	2	8.13	1	3.27	1	3.27
20	2.34	29	3.40	6	0.74	17	2.08	BROWNSVILLE	0	0.00	0	0.00	0	0.00	0	0.00
60	1.40	61	1.43	36	0.89	37	0.92	BUFFALO	15	3.22	18	3.87	16	3.50	17	3.72
18	1.60	18	1.60	8	0.75	8	0.75	CANTON	3	3.60	3	3.60	0	0.00	0	0.00
4	0.73	4	0.73	2	0.37	2	0.37	CEDAR RAPIDS	0	0.00	0	0.00	0	0.00	0	0.00
9	2.07	9	2.07	4	1.03	4	1.03	CHAMPAIGN	1	3.27	1	3.27	0	0.00	0	0.00
16	2.53	16	2.53	15	2.50	15	2.50	CHARLESTON SC	13	3.15	18	4.36	6	1.51	8	2.01
30	3.48	30	3.48	13	1.43	16	1.75	CHARLESTON WVA	1	1.74	2	3.47	1	2.56	1	2.56
19	2.54	19	2.54	7	1.03	7	1.03	CHARLOTTE	7	2.16	11	3.39	6	1.83	6	1.83
22	2.74	23	2.87	9	1.16	9	1.16	CHATTANOOGA	14	6.09	16	6.96	5	2.32	5	2.32
155	0.85	164	0.90	100	0.57	102	0.58	CHICAGO	22	0.46	24	0.48	17	0.34	22	0.44
95	2.62	102	2.82	61	1.77	64	1.86	CINCINNATI	17	2.73	19	3.05	14	2.44	14	2.44
122	2.39	123	2.41	82	1.68	83	1.70	CLEVELAND	76	6.29	76	6.29	62	5.18	64	5.35
33	8.51	33	8.51	16	4.30	17	4.57	COLORADO SPRGS	2	16.67	2	16.67	1	5.21	1	5.21
6	0.96	7	1.12	10	1.73	12	2.07	COLUMBIA	8	2.25	11	3.09	9	2.70	10	3.00
30	4.31	31	4.46	12	1.93	12	1.93	COLUMBUS GA	5	1.67	5	1.67	5	1.68	5	1.68
64	2.70	66	2.78	39	1.70	42	1.83	COLUMBUS OHIO	14	3.50	16	4.00	11	2.86	13	3.38
16	1.47	20	2.08	10	1.05	15	1.63	CORPUS CHRISTI	1	2.06	1	2.06	3	5.62	3	5.62
88	2.58	92	2.70	51	1.59	52	1.62	DALLAS	50	5.59	53	5.93	33	3.86	36	4.21
25	2.56	25	2.56	15	1.59	15	1.59	DAVENPORT	0	0.00	1	2.87	0	0.00	0	0.00
48	2.07	50	2.15	34	1.51	34	1.51	DAYTON	8	2.53	11	3.47	6	1.75	8	2.34
11	2.85	11	2.85	5	1.30	5	1.30	DECATUR	0	0.00	0	0.00	0	0.00	0	0.00
135	3.97	137	4.03	78	2.33	78	2.33	DENVER	10	5.29	11	5.82	0	0.00	0	0.00
29	2.93	30	3.03	15	1.61	16	1.72	DES MOINES	1	1.57	1	1.57	5	2.60	5	2.60
140	1.19	142	1.21	79	0.70	85	0.75	DETROIT	63	2.65	69	2.90	37	1.57	40	1.69
20	5.41	21	5.68	11	3.30	11	3.30	DUBUQUE	0	0.00	0	0.00	0	-	0	-
15	1.60	15	1.60	18	1.90	19	2.00	DULUTH	0	0.00	0	0.00	0	0.00	0	0.00
8	3.15	8	3.15	3	1.42	3	1.42	DURHAM	3	2.05	4	2.73	7	4.96	8	5.67
30	1.56	35	1.82	13	0.69	14	0.74	EL PASO	2	3.00	3	4.50	0	0.00	0	0.00
20	2.37	20	2.37	16	1.96	16	1.96	ERIE	1	2.19	1	2.19	3	6.49	4	8.66
9	1.49	9	1.49	3	0.53	3	0.53	EUGENE	0	0.00	0	0.00	0	0.00	0	0.00
9	1.37	9	1.37	8	1.32	9	1.48	EVANSVILLE	3	5.00	6	10.00	1	1.56	1	1.56
19	1.56	19	1.56	15	1.32	15	1.32	FALL RIVER	0	0.00	0	0.00	0	0.00	0	0.00
8	1.75	8	1.75	11	2.61	11	2.61	FARGO	0	0.00	0	0.00	0	0.00	0	0.00
16	1.15	17	1.22	8	0.60	8	0.60	FLINT	6	2.80	6	2.80	3	1.38	3	1.38
18	2.33	18	2.33	8	1.05	8	1.05	FT. LAUDERDALE	14	3.99	19	5.41	3	0.82	4	1.10
5	2.23	5	2.23	0	0.00	1	0.49	FORT SMITH	0	0.00	0	0.00	0	0.00	0	0.00
15	1.78	16	1.90	4	0.48	5	0.61	FORT WAYNE	4	5.29	4	5.29	2	2.45	2	2.45
34	1.83	34	1.83	26	1.49	26	1.49	FORT WORTH	10	3.17	14	4.44	5	1.78	8	2.84
37	2.91	38	2.99	31	2.50	31	2.50	FRESNO	4	3.22	4	3.22	0	0.00	0	0.00
8	3.15	8	3.15	2	0.80	2	0.80	GADSDEN	1	1.54	1	1.54	0	0.00	1	1.62
8	2.07	9	2.33	3	0.80	3	0.80	GALVESTON	1	0.75	1	0.75	10	7.54	10	7.54
14	0.71	14	0.71	5	0.27	5	0.27	GARY	1	0.23	2	0.45	5	1.13	7	1.58
14	1.02	15	1.09	12	0.91	13	0.98	GRAND RAPIDS	1	1.15	1	1.15	0	0.00	0	0.00
8	2.29	8	2.29	6	1.05	7	1.27	GREAT FALLS	0	0.00	0	0.00	0	0.00	0	0.00
18	3.22	18	3.27	12	2.22	12	2.22	GREEN BAY	0	0.00	0	0.00	0	0.00	0	0.00
9	1.29	10	1.43	8	1.22	8	1.22	GREENSBORO	12	5.05	16	6.73	3	1.35	7	3.14
12	1.85	12	1.85	10	1.72	10	1.72	GREENVILLE	5	2.87	7	4.02	5	2.58	5	2.58
19	2.54	19	2.54	10	1.49	13	1.94	HAMILTON	1	1.79	1	1.79	3	7.35	3	7.35
21	1.98	21	1.98	19	1.93	21	2.13	HARRISBURG	7	5.83	9	7.50	1	0.89	1	0.89
46	2.02	47	2.07	26	1.20	26	1.20	HARTFORD	8	5.13	8	5.13	8	5.15	8	5.15
37	4.74	38	4.87	24	3.41	24	3.41	HONOLULU	39	2.65	40	2.72	25	1.79	25	1.79
58	1.51	59	1.54	49	1.39	50	1.41	HOUSTON	42	3.09	52	3.83	25	1.95	29	2.26
11	1.34	14	1.71	4	0.53	4	0.53	HUNTINGTON	0	0.00	0	0.00	0	0.00	0	0.00
14	3.15	14	3.15	3	0.73	5	1.21	HUNTSVILLE	2	1.57	2	1.57	1	0.99	2	1.98
35	1.48	38	1.60	20	0.91	21	0.95	INDIANAPOLIS	15	2.74	16	2.92	18	3.45	18	3.45
3	0.84	3	0.84	5	1.14	5	1.14	JACKSON MICH	1	5.05	1	5.05	0	0.00	1	4.39
17	3.85	17	3.85	7	1.73	7	1.73	JACKSON MISS	32	7.07	32	7.07	28	6.71	29	6.95
35	2.51	37	2.66	20	1.52	21	1.59	JACKSONVILLE	20	3.84	30	5.77	11	2.11	14	2.69
27	1.53	27	1.53	27	1.65	28	1.71	JERSEY CITY	5	1.91	6	2.29	4	1.47	4	1.47
23	2.57	24	2.68	19	2.25	19	2.25	JOHNSTOWN	0	0.00	0	0.00	0	0.00	0	0.00
4	0.63	5	0.79	4	0.68	4	0.68	KALAMAZOO	0	0.00	0	0.00	0	0.00	0	0.00
76	2.20	76	2.20	51	1.55	53	1.61	KANSAS CITY	21	3.03	24	3.46	9	1.54	15	2.57
11	2.77	11	2.77	3	0.72	3	0.72	KENOSHA	0	0.00	0	0.00	0	0.00	0	0.00
12	1.05	14	1.22	12	1.07	13	1.16	KNOXVILLE	1	0.88	2	1.76	3	2.72	3	2.72
8	1.10	8	1.10	7	1.44	9	1.85	LAKE CHARLES	1	0.58	1	0.58	4	2.21	4	2.21
18	1.84	18	1.84	6	0.66	7	0.78	LANCASTER	1	7.58	1	7.58	2	14.49	3	21.74
10	0.88	12	1.05	8	0.71	9	0.80	LANSING	0	0.00	0	0.00	0	0.00	0	0.00
6	1.44	8	1.92	4	1.02	5	1.28	LAREDO	0	0.00	0	0.00	0	0.00	0	0.00
14	3.05	14	3.05	15	3.45	15	3.45	LAS VEGAS	1	1.15	3	3.45	2	2.33	2	2.33
6	1.54	6	1.54	12	3.32	12	3.32	LAWTON	1	1.33	1	1.33	1	1.24	1	1.24
12	2.81	15	3.52	11	2.93	12	3.20	LEXINGTON	1	1.11	2	2.22	1	1.09	1	1.09
9	2.60	9	2.60	4	1.15	4	1.15	LIMA	0	0.00	0	0.00	0	0.00	0	0.00
2	0.30	2	0.30	5	0.84	5	0.84	LINCOLN	0	0.00	0	0.00	0	0.00	0	0.00
8	1.14	8	1.14	1	0.14	1	0.14	LITTLE ROCK	15	5.38	16	5.73	13	4.75	14	5.12
8	1.00	8	1.00	9	1.22	9	1.22	LORAIN	4	5.42	4	5.42	0	0.00	0	0.00
471	2.26	481	2.30	280	1.41	285	1.43	LOS ANGELES	102	3.35	103	3.38	63	2.15	66	2.26

TABLE 3 INFANT AND NEONATAL DEATHS AND MORTALITY RATES PER 1,000 LIVE BIRTHS BY S.M.S.A. COLOR AND SEX
OTHER DISEASES PECULIAR TO EARLY INFANCY (I.S.C. 771-773)

MALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	S.M.S.A.	MALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE	FEMALE NON-WHITE -28 DAYS DEATHS	RATE	-1 YR. DEATHS	RATE
35	1.40	35	1.40	20	0.85	21	0.90	LOUISVILLE	11	2.73	12	2.98	11	2.87	13	3.40
25	3.77	35	5.27	18	2.84	25	3.94	LUBBOCK	5	7.31	6	8.77	5	7.06	7	9.89
2	0.69	3	1.04	2	0.73	2	0.73	LYNCHBURG	5	5.24	5	5.24	2	1.81	2	1.81
7	1.47	7	1.47	4	0.91	4	0.91	MACON	24	8.15	25	8.49	7	2.47	9	3.18
26	2.69	26	2.69	19	2.11	19	2.11	MADISON	0	0.00	0	0.00	0	0.00	0	0.00
22	3.53	22	3.53	8	1.27	8	1.27	MANCHESTER	0	0.00	0	0.00	0	0.00	0	0.00
49	3.50	49	3.50	33	2.55	33	2.55	MEMPHIS	22	1.94	26	2.29	17	1.45	23	1.96
72	3.23	76	3.41	53	2.54	53	2.54	MIAMI	58	7.55	60	7.81	46	5.73	51	6.35
2	0.82	3	1.23	2	0.81	2	0.81	MIDLAND	0	0.00	1	3.21	0	0.00	0	0.00
88	2.01	89	2.04	65	1.58	66	1.61	MILWAUKEE	37	8.71	38	8.95	36	8.23	37	8.46
102	1.65	108	1.75	68	1.18	69	1.20	MINNEAPOLIS	7	4.90	7	4.90	3	2.02	3	2.02
18	2.12	18	2.12	7	0.89	9	1.15	MOBILE	20	3.83	25	4.79	9	1.70	9	1.70
9	3.40	10	3.78	7	2.88	7	2.88	MONROE	9	5.68	10	6.31	2	1.17	2	1.17
6	1.80	6	1.80	3	0.93	3	0.93	MONTGOMERY	4	1.36	9	3.07	1	0.31	3	0.94
8	2.15	9	2.42	5	1.37	5	1.37	MUNCIE	1	3.62	1	3.62	1	3.97	1	3.97
6	1.07	6	1.07	6	1.13	6	1.13	MUSKEGON	0	0.00	0	0.00	0	0.00	0	0.00
49	4.23	51	4.40	26	2.32	26	2.32	NASHVILLE	11	3.45	11	3.45	5	1.53	8	2.45
73	1.69	77	1.79	54	1.28	55	1.30	NEWARK	33	2.91	38	3.35	26	2.39	29	2.66
60	2.88	61	2.93	45	2.35	46	2.41	NEW HAVEN	21	10.84	21	10.84	19	10.84	20	11.42
42	1.90	42	1.90	21	1.01	21	1.01	NEW ORLEANS	40	2.84	46	3.26	32	2.41	36	2.71
20	2.98	20	2.98	19	2.83	19	2.83	NEWPORT	10	3.59	11	3.95	9	3.13	12	4.18
371	1.34	379	1.37	252	0.96	257	0.98	NEW YORK	222	3.80	234	4.01	182	3.07	190	3.20
44	2.58	44	2.58	21	1.27	22	1.33	NORFOLK	18	2.49	26	3.59	26	3.65	33	4.64
9	2.40	10	2.66	8	2.30	8	2.30	ODESSA	0	0.00	0	0.00	0	0.00	0	0.00
5	1.07	5	1.07	9	2.00	9	2.00	OGDEN	0	0.00	0	0.00	0	0.00	0	0.00
48	2.80	50	2.91	39	2.45	40	2.51	OKLAHOMA CITY	28	10.32	28	10.32	27	9.64	27	9.64
43	2.37	43	2.37	30	1.76	31	1.82	OMAHA	4	2.27	4	2.27	1	0.57	1	0.57
23	2.33	25	2.53	8	0.80	10	1.00	ORLANDO	6	2.11	10	3.52	3	1.09	6	2.18
49	1.44	49	1.44	32	0.97	33	1.00	PATERSON	4	1.54	5	1.93	0	0.00	0	0.00
21	2.92	21	2.92	7	0.95	7	0.95	PENSACOLA	7	2.96	9	3.81	4	1.85	4	1.85
4	0.40	4	0.40	8	0.80	8	0.80	PEORIA	1	1.53	1	1.53	0	0.00	0	0.00
326	2.72	335	2.79	209	1.83	210	1.84	PHILADELPHIA	133	4.33	146	4.75	127	4.16	137	4.49
51	1.97	55	2.13	31	1.35	32	1.39	PHOENIX	6	2.51	7	2.92	5	2.26	6	2.72
141	1.97	141	1.97	118	1.72	120	1.75	PITTSBURGH	28	4.09	32	4.67	21	3.13	21	3.13
14	2.89	14	2.89	2	0.44	3	0.67	PITTSFIELD	0	0.00	0	0.00	0	0.00	0	0.00
18	2.85	19	3.00	11	1.72	12	1.87	PORTLAND MAINE	0	0.00	0	0.00	0	0.00	0	0.00
48	1.89	50	1.97	28	1.16	28	1.16	PORTLAND OREG.	1	0.80	1	0.80	1	0.89	1	0.89
24	1.07	24	1.07	11	0.51	12	0.56	PROVIDENCE	1	1.19	2	2.38	3	3.52	3	3.52
6	1.23	6	1.23	3	0.62	4	0.83	PROVO	0	0.00	0	0.00	0	0.00	0	0.00
8	1.87	9	2.11	6	1.40	7	1.64	PUEBLO	1	9.80	1	9.80	0	0.00	0	0.00
5	0.89	5	0.89	6	1.19	6	1.19	RACINE	0	0.00	0	0.00	0	0.00	0	0.00
10	2.25	10	2.25	5	1.25	5	1.25	RALEIGH	5	2.79	11	6.13	7	3.81	9	4.90
9	1.15	11	1.41	9	1.19	10	1.32	READING	0	0.00	0	0.00	0	0.00	0	0.00
8	2.62	8	2.62	1	0.36	3	1.07	RENO	1	3.40	1	3.40	1	4.63	1	4.63
37	3.65	37	3.65	22	2.33	22	2.33	RICHMOND	33	7.48	37	8.39	35	7.91	36	8.14
9	2.14	9	2.14	9	2.10	10	2.33	ROANOKE	4	5.60	5	7.00	4	5.75	5	7.18
17	0.88	19	0.99	7	0.40	7	0.40	ROCHESTER	6	3.88	6	3.88	1	0.67	2	1.34
9	1.08	10	1.20	9	1.21	9	1.21	ROCKFORD	2	4.12	2	4.12	0	0.00	1	2.38
41	2.19	43	2.30	21	1.17	21	1.17	SACRAMENTO	6	3.17	8	4.23	0	0.00	0	0.00
10	1.44	10	1.44	7	1.04	8	1.19	SAGINAW	1	0.98	1	0.98	0	0.00	1	0.99
5	1.70	5	1.70	3	1.06	3	1.06	ST. JOSEPH	1	8.77	1	8.77	0	0.00	0	0.00
88	1.38	94	1.48	59	0.97	59	0.97	ST. LOUIS	90	5.83	104	6.74	76	5.07	78	5.21
24	1.37	25	1.43	17	1.03	19	1.15	SALT LAKE CITY	0	0.00	0	0.00	0	0.00	0	0.00
2	0.83	2	0.83	2	0.84	3	1.25	SAN ANGELO	0	0.00	0	0.00	0	0.00	0	0.00
79	2.80	93	3.29	49	1.85	60	2.26	SAN ANTONIO	11	5.02	12	5.48	7	3.38	8	3.86
60	2.07	60	2.07	36	1.34	38	1.41	SAN BERNARDINO	8	3.52	9	3.96	4	2.05	4	2.05
54	1.46	57	1.54	28	0.77	30	0.82	SAN DIEGO	8	2.03	9	2.28	5	1.42	6	1.70
178	2.25	181	2.29	89	1.20	91	1.22	SAN FRANCISCO	44	2.68	45	2.74	25	1.54	25	1.54
57	2.17	57	2.17	36	1.50	36	1.50	SAN JOSE	2	1.68	2	1.68	1	0.99	1	0.99
5	0.79	5	0.79	6	1.00	6	1.00	SANTA BARBARA	0	0.00	0	0.00	2	6.29	2	6.29
16	2.99	16	2.99	5	0.97	5	0.97	SAVANNAH	11	3.93	12	4.29	6	2.04	9	3.05
24	3.71	24	3.71	16	2.58	16	2.58	SCRANTON	2	27.78	2	27.78	0	0.00	0	0.00
74	2.05	76	2.10	51	1.45	51	1.45	SEATTLE	11	4.54	12	4.95	8	3.08	8	3.08
33	4.88	33	4.88	18	2.96	18	2.96	SHREVEPORT	34	7.30	36	7.73	22	4.57	25	5.19
8	1.91	8	1.91	6	1.62	7	1.89	SIOUX CITY	1	8.33	1	8.33	0	0.00	0	0.00
8	2.20	8	2.20	6	1.67	6	1.67	SIOUX FALLS	0	0.00	0	0.00	0	0.00	0	0.00
18	2.47	20	2.75	6	0.84	6	0.84	SOUTH BEND	2	2.35	2	2.35	2	2.67	4	5.33
17	1.70	18	1.80	7	0.76	7	0.76	SPOKANE	1	3.55	1	3.55	2	6.80	2	6.80
6	1.17	6	1.17	2	0.43	2	0.43	SPRINGFIELD I.	0	0.00	0	0.00	0	0.00	0	0.00
4	0.96	4	0.96	7	1.95	7	1.95	SPRINGFIELD MO	0	0.00	0	0.00	0	0.00	0	0.00
2	0.49	2	0.49	5	1.33	5	1.33	SPRINGFIELD O.	1	2.25	1	2.25	0	0.00	0	0.00
28	1.66	29	1.70	10	0.61	12	0.74	SPRINGFIELD MA	1	1.13	1	1.13	1	1.06	2	2.12
10	1.85	10	1.85	5	1.00	5	1.00	STEUBENVILLE	4	15.87	4	15.87	1	3.88	1	3.88
14	1.86	14	1.86	11	1.61	11	1.61	STOCKTON	2	2.19	2	2.19	0	0.00	0	0.00
36	1.74	36	1.74	25	1.28	25	1.28	SYRACUSE	2	2.11	2	2.11	3	3.97	3	3.97
22	1.99	22	1.99	18	1.69	18	1.69	TACOMA	4	3.51	4	3.51	1	0.80	1	0.80
44	2.34	48	2.45	36	1.98	37	2.04	TAMPA	14	3.11	19	4.22	3	0.65	7	1.52
4	1.27	7	2.23	4	1.26	5	1.58	TERRE HAUTE	0	0.00	0	0.00	0	0.00	1	4.39
0	0.00	0	0.00	2	1.11	2	1.11	TEXARKANA	0	0.00	0	0.00	4	4.02	5	5.02
24	1.69	24	1.69	7	0.51	7	0.51	TOLEDO	4	2.06	4	2.06	1	0.48	1	0.48
10	1.75	11	1.93	17	3.22	19	3.60	TOPEKA	2	3.97	3	5.95	1	1.96	2	3.92
10	1.50	10	1.50	6	0.89	7	1.04	TRENTON	9	5.42	9	5.42	6	3.38	6	3.38
30	3.00	31	3.10	17	1.72	20	2.03	TUCSON	1	1.13	1	1.13	4	4.98	5	6.22
13	1.01	13	1.01	17	1.45	19	1.62	TULSA	2	1.09	2	1.09	1	0.58	2	1.16
5	2.07	5	2.07	1	0.40	1	0.40	TUSCALOOSA	5	3.61	6	4.33	5	4.03	6	4.83
5	2.50	5	2.50	1	0.53	1	0.53	TYLER	4	3.37	4	3.37	4	3.99	6	5.99
20	1.75	24	2.10	18	1.59	18	1.59	UTICA	0	0.00	0	0.00	3	8.06	3	8.06
16	3.63	17	3.85	7	1.78	7	1.78	WACO	2	1.80	3	2.70	3	2.56	6	5.13
106	1.91	111	2.00	72	1.38	77	1.47	WASHINGTON	32	1.29	63	2.62	27	1.14	52	2.19
22	4.48	22	4.48	6	1.32	6	1.32	WATERLOO	0	0.00	1	3.47	1	2.73	1	2.73
16	3.30	16	3.30	16	3.51	16	3.51	W. PALM BEACH	4	1.51	6	2.26	4	1.69	7	2.95
6	1.04	7	1.21	7	1.25	7	1.25	WHEELING	0	0.00	1	5.21	1	7.25	1	7.25
39	3.03	41	3.18	21	1.78	21	1.78	WICHITA	4	2.91	5	3.64	7	4.67	8	5.33
6	1.26	6	1.26	6	1.32	6	1.32	WICHITA FALLS	1	2.01	2	4.02	2	4.02	2	4.02
19	2.07	19	2.07	14	1.59	14	1.59	WILKES-BARRE	0	0.00	0	0.00	0	0.00	0	0.00
23	1.96	23	1.96	11	1.02	11	1.02	WILMINGTON	5	2.28	5	2.29	2	0.91	2	0.91
18	3.39	18	3.39	10	2.10	10	2.10	WINSTON-SALEM	1	0.48	4	1.93	7	3.60	11	5.66
29	1.42	29	1.42	22	1.18	22	1.18	WORCESTER	0	0.00	0	0.00	0	0.00	0	0.00
13	1.66	14	1.79	9	1.25	9	1.25	YORK	2	6.54	2	6.54	1	3.47	2	6.94
23	1.43	25	1.55	17	1.13	19	1.27	YOUNGSTOWN	3	1.28	6	2.55	5	2.56	5	2.94
6,774	1.92	7,016	1.99	4,317	1.29	4,478	1.34	TOTAL 201 SMSA	2,120	3.26	2,422	3.72	1,615	2.53	1,831	2.86

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				ABILENE, TEXAS				
81	1,812	58	1,299	-28 DAYS	5	1,852	3	893
114	2,550	84	1,882	-1 YEAR	12	4,444	7	2,083
137	657	98	485	0-4 YEARS	16	1,101	10	781
12	36	11	35	5-14 YEARS	4	216	3	154
37	120	13	44	15-24 YEARS	1	57	1	70
40	163	23	97	25-34 YEARS	2	163	3	222
71	325	44	206	35-44 YEARS	6	685	11	1,247
136	792	48	279	45-54 YEARS	4	533	5	606
211	1,796	91	674	55-64 YEARS	24	4,651	11	1,950
200	3,856	197	2,167	65-74 YEARS	17	5,502	10	3,472
259	8,009	272	5,876	75-84 YEARS	6	5,000	7	5,426
160	20,958	137	14,182	85+	6	14,815	3	7,692
1		0		UNKNOWN	0		0	
1,334	958	936	556	TOTAL*	82	1,294	64	956
689	5,955	606	3,879	65+ *	27	5,884	20	4,256
				ABILENE, TEXAS		TOTAL DEATHS =	2,416	
				AKRON, OHIO				
356	2,111	246	1,598	-28 DAYS	62	3,239	56	3,080
434	2,573	306	1,925	-1 YEAR	86	4,493	77	4,235
492	593	329	410	0-4 YEARS	94	1,013	87	940
81	58	41	29	5-14 YEARS	11	74	9	59
109	136	67	94	15-24 YEARS	10	129	8	92
141	155	92	98	25-34 YEARS	19	236	22	236
295	298	185	177	35-44 YEARS	52	650	41	469
695	887	387	470	45-54 YEARS	73	1,225	67	1,169
1,374	2,124	693	1,039	55-64 YEARS	113	2,531	74	1,845
1,977	4,772	1,234	2,781	65-74 YEARS	123	6,212	70	3,462
1,415	11,222	1,321	7,614	75-84 YEARS	65	8,824	48	7,882
411	21,712	662	19,039	85+	18	17,143	20	13,605
0		0		UNKNOWN	0		0	
6,986	1,137	4,991	706	TOTAL*	558	1,321	446	1,002
3,803	7,527	3,217	5,045	65+ *	186	7,356	138	5,268
				AKRON, OHIO		TOTAL DEATHS =	12,981	
				ALBANY, GA.				
46	1,926	36	1,583	-28 DAYS	60	2,886	61	3,149
55	2,303	46	1,987	-1 YEAR	74	5,230	75	5,760
61	559	57	536	0-4 YEARS	89	1,624	82	1,372
8	50	6	26	5-14 YEARS	8	86	7	70
12	93	5	44	15-24 YEARS	16	291	7	103
20	151	16	113	25-34 YEARS	13	309	20	370
35	317	9	88	35-44 YEARS	29	834	27	620
59	940	25	425	45-54 YEARS	66	2,089	55	1,387
76	2,501	27	749	55-64 YEARS	77	3,889	93	3,433
91	5,257	44	1,887	65-74 YEARS	87	7,713	86	6,082
54	8,656	48	6,726	75-84 YEARS	60	8,838	33	3,704
17	16,667	33	22,000	85+	18	13,043	22	15,333
0		0		UNKNOWN	0		0	
433	1,106	286	616	TOTAL*	461	1,662	430	1,185
162	6,848	145	4,377	65+ *	165	7,767	139	6,495
				ALBANY, GA.		TOTAL DEATHS =	1,590	
				ALBANY-SCHENECTADY-TROY, N.Y.				
405	1,962	273	1,346	-28 DAYS	31	3,075	23	2,644
517	2,506	349	1,747	-1 YEAR	50	4,960	28	3,218
581	571	412	421	0-4 YEARS	58	1,440	32	797
109	59	62	36	5-14 YEARS	6	70	0	0
140	129	45	37	15-24 YEARS	6	136	1	25
148	135	86	79	25-34 YEARS	9	248	7	163
428	338	238	173	35-44 YEARS	20	627	27	756
1,213	1,046	600	483	45-54 YEARS	39	1,538	26	956
2,319	2,483	1,247	1,290	55-64 YEARS	63	3,406	39	2,421
3,567	5,570	2,590	3,185	65-74 YEARS	60	4,646	28	3,457
2,854	11,580	3,231	8,966	75-84 YEARS	23	8,425	22	5,238
1,017	23,525	1,706	21,616	85+	8	11,594	20	27,778
6		6		UNKNOWN	0		0	
12,358	1,256	10,189	795	TOTAL*	268	1,353	200	1,027
7,418	8,250	7,467	5,831	65+ *	71	6,093	70	5,320
				ALBANY-SCHENECTADY-TROY, N.Y.		TOTAL DEATHS =	23,015	
				ALBUQUERQUE, N. MEX.				
302	2,427	210	1,813	-28 DAYS	25	3,255	13	1,952
398	3,198	280	2,417	-1 YEAR	34	4,427	18	2,703
459	823	336	635	0-4 YEARS	42	1,797	20	890
54	62	24	28	5-14 YEARS	2	67	1	36
102	184	33	58	15-24 YEARS	2	88	5	196
119	208	55	98	25-34 YEARS	5	220	3	128
186	350	116	213	35-44 YEARS	6	405	5	362
326	919	201	554	45-54 YEARS	5	579	7	858
468	2,309	231	1,062	55-64 YEARS	21	3,784	12	2,353
522	4,387	342	2,528	65-74 YEARS	8	3,463	11	4,889
375	9,491	385	7,598	75-84 YEARS	7	5,185	8	8,889
128	19,210	146	16,275	85+	8	66,667	4	13,333
1		1		UNKNOWN	0		0	
2,738	1,123	1,888	718	TOTAL*	106	1,397	76	1,097
1,025	6,648	893	4,718	65+ *	23	7,592	23	6,482
				ALBUQUERQUE, N. MEX.		TOTAL DEATHS =	4,806	
				ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J.				
259	1,728	148	1,246	-28 DAYS	9	3,409	4	2,381
320	2,229	222	1,647	-1 YEAR	11	4,167	6	3,571
396	536	290	392	0-4 YEARS	14	1,418	8	904
68	52	93	76	5-14 YEARS	0	0	1	77
126	143	46	53	15-24 YEARS	1	122	1	108
107	119	76	79	25-34 YEARS	6	647	5	539
339	322	206	183	35-44 YEARS	7	968	3	337
856	940	460	493	45-54 YEARS	18	2,895	7	1,178
1,442	2,170	873	1,272	55-64 YEARS	14	2,454	13	2,602
2,568	5,332	1,819	3,273	65-74 YEARS	22	8,429	12	6,878
2,032	11,389	1,998	8,285	75-84 YEARS	11	11,458	6	8,333
679	23,552	1,045	20,685	85+	2	33,333	4	13,333
0		0		UNKNOWN	0		0	
8,593	1,188	6,808	771	TOTAL*	93	1,893	60	1,108
5,259	8,049	4,862	5,693	65+ *	35	10,474	22	6,319
				ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J.		TOTAL DEATHS =	15,556	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100.000 BY SMSA COLOR AND SEX
NEONATAL AND INFANT DEATHS ARE PER 100.000 LIVE BIRTHS — ALL CAUSES

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				ALTOONA, PA.				
92	2.172	70	1.767	-28 DAYS	0	0	1	5.556
120	2.833	90	2.246	-1 YEAR	0	0	1	5.556
136	647	100	515	0-4 YEARS	0	0	1	388
26	86	15	39	5-14 YEARS	1	249	0	0
26	115	11	41	15-24 YEARS	0	0	0	0
38	175	18	79	25-34 YEARS	0	0	1	402
79	305	50	175	35-44 YEARS	1	629	0	0
233	1.001	129	508	45-54 YEARS	5	2.825	4	1.826
483	2.387	249	1.193	55-64 YEARS	1	606	3	1.587
734	5.022	540	3.004	65-74 YEARS	4	3.810	1	1.010
715	11.431	680	8.130	75-84 YEARS	7	17.949	8	16.667
235	22.066	340	20.833	85+	0	0	0	0
0		1		UNKNOWN	0		0	
2.703	1.206	2.144	774	TOTAL*	19	1.206	18	934
1.684	7.772	1.570	5.499	65+ *	11	7.952	9	5.334
				ALTOONA, PA.	TOTAL DEATHS =		4.904	
				AMARILLO, TEXAS				
117	1.966	97	1.691	-28 DAYS	14	3.431	12	2.597
152	2.554	119	2.075	-1 YEAR	23	5.637	18	3.896
176	848	135	530	0-4 YEARS	24	1.288	20	1.119
36	81	11	27	5-14 YEARS	1	42	1	39
33	78	20	62	15-24 YEARS	6	186	2	133
59	180	24	76	25-34 YEARS	8	463	4	212
84	294	58	211	35-44 YEARS	14	1.111	12	803
170	832	49	326	45-54 YEARS	22	1.966	15	1.381
307	2.208	135	924	55-64 YEARS	23	3.501	13	1.860
339	4.716	198	2.291	65-74 YEARS	18	5.357	14	4.403
257	10.174	264	7.076	75-84 YEARS	5	6.410	5	5.952
106	21.399	139	16.667	85+	5	23.810	2	6.667
0		0		UNKNOWN	0		0	
1.561	1.112	1.043	639	TOTAL*	126	1.533	88	1.065
700	7.180	601	4.436	65+ *	28	6.687	21	4.963
				AMARILLO, TEXAS	TOTAL DEATHS =		2.828	
				ANN ARBOR, MICH.				
110	1.873	66	1.092	-28 DAYS	16	2.996	9	1.563
146	2.486	83	1.374	-1 YEAR	20	3.745	15	2.604
166	592	89	327	0-4 YEARS	24	976	19	817
19	48	13	33	5-14 YEARS	4	103	0	0
39	76	23	45	15-24 YEARS	1	30	1	32
32	85	18	53	25-34 YEARS	8	201	4	133
68	238	39	135	35-44 YEARS	8	280	8	305
156	709	101	496	45-54 YEARS	15	725	18	1.012
268	1.721	134	789	55-64 YEARS	19	1.587	17	1.523
391	4.065	273	2.293	65-74 YEARS	28	4.643	26	4.167
327	8.637	420	6.944	75-84 YEARS	7	3.666	10	4.274
146	19.467	349	21.745	85+	3	11.111	6	13.333
0		0		UNKNOWN	0		0	
1.612	932	1.459	628	TOTAL*	117	855	109	838
864	6.195	1.042	4.686	65+ *	38	4.727	42	4.711
				ANN ARBOR, MICH.	TOTAL DEATHS =		3.297	
				ASHEVILLE, N.C.				
88	2.356	52	1.502	-28 DAYS	17	3.373	15	3.472
106	2.782	71	2.091	-1 YEAR	23	4.563	19	4.398
126	728	88	563	0-4 YEARS	25	1.019	25	1.120
15	44	13	40	5-14 YEARS	2	45	4	89
23	107	12	48	15-24 YEARS	3	129	3	113
45	218	15	46	25-34 YEARS	11	551	7	274
100	432	56	224	35-44 YEARS	30	1.103	28	975
178	887	92	421	45-54 YEARS	43	1.814	32	1.088
366	2.432	166	980	55-64 YEARS	71	3.435	92	3.819
460	4.361	308	2.388	65-74 YEARS	87	6.636	78	5.485
381	8.963	406	7.335	75-84 YEARS	38	9.453	32	6.584
152	19.413	240	19.302	85+	15	18.519	20	12.579
0		1		UNKNOWN	0		0	
1.864	1.103	1.413	683	TOTAL*	325	1.612	321	1.353
993	6.493	972	4.771	65+ *	160	8.091	130	6.101
				ASHEVILLE, N.C.	TOTAL DEATHS =		3.903	
				ATLANTA, GA.				
586	1.987	385	1.442	-28 DAYS	335	2.999	271	2.512
758	2.560	492	1.843	-1 YEAR	516	4.619	393	3.643
837	607	565	430	0-4 YEARS	587	1.211	462	925
128	56	81	36	5-14 YEARS	63	84	43	56
168	107	99	57	15-24 YEARS	93	192	58	105
250	162	149	83	25-34 YEARS	233	533	175	333
566	335	287	146	35-44 YEARS	630	1.101	338	707
1.230	977	586	439	45-54 YEARS	706	2.136	598	1.496
1.855	2.337	887	940	55-64 YEARS	821	4.080	849	3.225
2.173	4.906	1.539	2.475	65-74 YEARS	700	6.048	654	4.137
1.745	10.716	2.143	7.444	75-84 YEARS	253	6.614	307	5.538
621	22.722	1.063	17.905	85+	62	7.570	103	6.978
0		0		UNKNOWN	2		3	
9.562	1.167	7.397	645	TOTAL*	3.950	1.575	3.590	1.151
4.539	7.530	4.745	4.731	65+ *	1.015	6.292	1.064	4.688
				ATLANTA, GA.	TOTAL DEATHS =		24.519	
				ATLANTIC CITY, N.J.				
71	1.992	53	1.589	-28 DAYS	35	2.991	34	2.967
87	2.441	63	1.888	-1 YEAR	53	4.530	39	3.403
94	504	81	450	0-4 YEARS	62	1.245	40	783
19	56	11	35	5-14 YEARS	4	49	6	79
22	113	12	57	15-24 YEARS	14	281	9	161
29	110	17	75	25-34 YEARS	19	398	16	274
81	317	56	195	35-44 YEARS	29	588	34	586
228	953	143	602	45-54 YEARS	59	1.409	54	1.010
518	2.391	328	1.288	55-64 YEARS	146	3.437	92	1.993
952	5.181	670	3.056	65-74 YEARS	150	5.155	108	3.346
693	10.467	717	8.253	75-84 YEARS	99	9.016	89	7.013
237	20.466	356	18.089	85+	32	18.391	41	17.749
0		1		UNKNOWN	3		0	
2.867	1.151	2.412	776	TOTAL*	617	1.422	489	1.006
1.882	7.518	1.743	5.354	65+ *	281	6.978	238	5.180
				ATLANTIC CITY, N.J.	TOTAL DEATHS =		6.385	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				AUGUSTA, GA.-S.C.				
109	1,994	76	1,490	-28 DAYS	71	2,486	42	1,446
133	2,433	89	1,791	-1 YEAR	114	3,992	79	2,720
147	552	102	402	0-4 YEARS	133	993	102	756
23	44	18	40	5-14 YEARS	19	79	16	66
34	67	19	60	15-24 YEARS	36	250	20	137
60	177	27	80	25-34 YEARS	49	481	35	285
120	368	57	185	35-44 YEARS	92	891	88	727
266	1,181	95	418	45-54 YEARS	188	2,175	180	1,759
352	2,606	159	1,053	55-64 YEARS	270	5,454	227	3,238
406	5,345	288	2,892	65-74 YEARS	261	6,834	224	4,121
293	11,669	350	7,991	75-84 YEARS	98	7,132	111	5,901
68	17,708	175	19,126	85+	38	12,17[illegible]	34	7,763
0		0		UNKNOWN	3		0	
1,769	1,235	1,290	719	TOTAL*	1,187	1,714	1,037	1,179
767	7,808	813	5,230	65+ *	397	7,218	369	4,823
				AUGUSTA, GA.-S.C.		TOTAL DEATHS =	5,283	
				AUSTIN, TEXAS				
136	1,918	90	1,246	-28 DAYS	45	3,659	25	2,354
176	2,482	134	1,855	-1 YEAR	57	4,634	40	3,766
195	607	157	518	0-4 YEARS	65	1,240	41	822
23	44	12	24	5-14 YEARS	6	67	4	47
56	96	13	25	15-24 YEARS	15	252	7	108
51	130	34	95	25-34 YEARS	9	180	10	174
[illegible]	353	48	143	35-44 YEARS	17	419	17	336
[illegible]	725	102	343	45-54 YEARS	43	1,079	33	722
350	1,908	164	787	55-64 YEARS	56	2,119	75	2,070
468	3,965	326	2,215	65-74 YEARS	90	4,658	85	3,361
406	8,217	465	6,424	75-84 YEARS	65	8,431	56	5,128
159	16,358	271	15,363	85+	25	10,965	25	7,788
0		0		UNKNOWN	0		0	
2,024	943	1,592	587	TOTAL*	391	1,134	351	825
1,031	5,850	1,062	4,131	65+ *	180	6,068	164	4,104
				AUSTIN, TEXAS		TOTAL DEATHS =	4,358	
				BAKERSFIELD, CALIF.				
197	1,823	114	1,136	-28 DAYS	31	2,839	22	1,920
278	2,573	168	1,675	-1 YEAR	51	4,670	32	2,792
331	661	205	422	0-4 YEARS	55	1,211	35	787
43	46	31	35	5-14 YEARS	2	27	1	13
115	204	46	81	15-24 YEARS	12	297	2	50
106	197	67	122	25-34 YEARS	17	492	6	158
211	371	120	214	35-44 YEARS	27	785	21	607
443	955	213	492	45-54 YEARS	54	1,295	28	965
637	2,111	288	1,031	55-64 YEARS	80	2,840	36	1,997
867	4,954	470	2,601	65-74 YEARS	84	5,063	28	3,080
694	10,209	520	7,213	75-84 YEARS	67	9,381	21	7,000
216	19,355	248	17,514	85+	18	23,077	9	14,286
0		0		UNKNOWN	0		0	
3,663	1,147	2,208	692	TOTAL*	396	1,417	187	928
1,777	7,232	1,238	4,728	65+ *	149	7,282	58	4,806
				BAKERSFIELD, CALIF.		TOTAL DEATHS =	6,454	
				BALTIMORE, MD.				
946	2,059	643	1,495	-28 DAYS	608	3,190	537	2,831
1,209	2,632	857	1,993	-1 YEAR	893	4,685	718	3,786
1,370	622	985	462	0-4 YEARS	1,005	1,238	806	974
191	50	134	37	5-14 YEARS	73	57	46	36
259	99	116	44	15-24 YEARS	122	162	80	95
362	133	250	92	25-34 YEARS	265	339	219	255
1,059	356	648	210	35-44 YEARS	625	810	488	605
2,552	1,059	1,235	514	45-54 YEARS	1,031	1,789	727	1,260
4,433	2,592	2,319	1,258	55-64 YEARS	1,381	3,565	1,000	2,663
5,771	5,722	4,310	3,294	65-74 YEARS	1,284	6,820	999	4,928
3,938	11,370	4,883	8,589	75-84 YEARS	557	9,368	549	7,578
1,255	21,698	2,408	20,367	85+	168	15,954	216	12,654
1		1		UNKNOWN	8		0	
21,191	1,261	17,289	803	TOTAL*	6,517	1,582	5,130	1,183
10,964	8,199	11,601	5,734	65+ *	2,009	8,045	1,764	6,103
				BALTIMORE, MD.		TOTAL DEATHS =	50,127	
				BATON ROUGE, LA.				
90	1,398	77	1,248	-28 DAYS	110	3,123	79	2,335
113	1,755	101	1,637	-1 YEAR	151	4,287	123	3,635
135	441	120	408	0-4 YEARS	179	1,162	138	891
23	45	13	26	5-14 YEARS	16	60	11	43
31	86	12	31	15-24 YEARS	26	144	17	81
41	120	31	87	25-34 YEARS	56	474	34	235
100	300	44	131	35-44 YEARS	61	543	76	576
232	981	84	355	45-54 YEARS	156	1,683	117	1,111
328	2,307	124	842	55-64 YEARS	194	3,227	173	2,502
339	5,139	210	2,438	65-74 YEARS	246	6,284	191	3,708
217	11,249	275	7,459	75-84 YEARS	133	8,031	140	7,349
87	19,595	140	19,753	85+	65	16,049	71	13,840
0		0		UNKNOWN	0		0	
1,530	1,146	1,073	642	TOTAL*	1,132	1,445	968	1,061
643	7,660	645	4,813	65+ *	444	7,321	402	5,295
				BATON ROUGE, LA.		TOTAL DEATHS =	4,703	
				BAY CITY, MICH.				
87	1,954	57	1,357	-28 DAYS	1	4,167	0	0
111	2,493	74	1,762	-1 YEAR	1	4,167	0	0
125	581	89	439	0-4 YEARS	1	952	0	0
15	42	15	44	5-14 YEARS	0	0	0	0
25	127	16	71	15-24 YEARS	1	758	0	0
37	196	17	85	25-34 YEARS	1	758	1	617
49	239	40	186	35-44 YEARS	3	2,083	2	1,418
161	891	92	545	45-54 YEARS	1	1,075	0	0
253	2,208	129	1,102	55-64 YEARS	2	2,564	2	3,509
380	4,825	311	3,304	65-74 YEARS	1	3,030	3	8,333
364	11,340	303	7,189	75-84 YEARS	2	9,524	1	8,333
141	24,868	191	21,625	85+	2	- - -	1	- - -
0		0		UNKNOWN	0		0	
1,549	1,159	1,193	762	TOTAL*	14	- - -	10	- - -
885	7,773	705	5,419	65+ *	5	- - -	5	- - -
				BAY CITY, MICH.		TOTAL DEATHS =	2,766	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				BEAUMONT-PORT ARTHUR, TEXAS				
164	1,785	121	1,513	-28 DAYS	101	3,380	69	2,146
204	2,221	151	1,888	-1 YEAR	137	4,585	102	3,172
233	925	179	427	0-4 YEARS	160	1,172	116	844
42	54	27	36	5-14 YEARS	13	58	7	31
83	133	20	40	15-24 YEARS	27	231	19	140
72	141	38	71	25-34 YEARS	43	356	35	251
157	320	102	197	35-44 YEARS	85	746	60	467
[illegible]	946	172	408	45-54 YEARS	133	1,449	143	1,471
642	2,233	249	899	55-64 YEARS	235	3,693	160	2,565
597	4,338	418	2,712	65-74 YEARS	206	5,463	131	3,406
509	10,855	493	6,813	75-84 YEARS	82	7,063	56	5,072
159	20,784	226	16,028	85+	25	10,417	21	8,235
2		0		UNKNOWN	0		0	
2,886	1,106	1,886	646	TOTAL*	1,009	1,378	748	989
1,261	7,084	1,099	4,607	65+ *	313	6,188	208	4,143
				BEAUMONT-PORT ARTHUR, TEXAS		TOTAL DEATHS =	6,529	
				BILLINGS, MONT.				
66	2,282	64	1,424	-28 DAYS	0	0	1	1,852
83	2,870	96	1,812	-1 YEAR	1	1,515	2	3,704
93	413	43	436	0-4 YEARS	1	505	2	1,130
11	42	7	27	5-14 YEARS	0	0	1	498
30	221	7	42	15-24 YEARS	0	0	0	0
23	153	16	98	25-34 YEARS	0	0	1	641
60	361	36	221	35-44 YEARS	2	1,389	1	654
120	957	43	433	45-54 YEARS	0	0	3	2,703
157	2,001	62	782	55-64 YEARS	2	2,469	2	3,509
251	4,628	148	2,848	65-74 YEARS	3	3,846	0	0
242	9,707	206	7,821	75-84 YEARS	4	19,048	2	9,524
81	21,260	76	19,447	85+	1	- - -	0	0
0		1		UNKNOWN	0		0	
1,068	1,103	609	676	TOTAL*	13	- - -	12	1,256
574	6,982	490	4,947	65+ *	8	- - -	2	2,665
				BILLINGS, MONT.		TOTAL DEATHS =	1,788	
				BINGHAMTON, N.Y.				
132	1,641	122	1,690	-28 DAYS	1	1,515	1	1,389
168	2,063	150	2,030	-1 YEAR	2	3,030	2	2,778
187	509	144	472	0-4 YEARS	3	1,064	2	833
26	39	23	39	5-14 YEARS	0	0	0	0
32	91	20	50	15-24 YEARS	0	0	0	0
49	126	29	70	25-34 YEARS	1	312	0	0
106	252	70	155	35-44 YEARS	0	0	1	351
327	885	149	403	45-54 YEARS	2	673	0	0
668	2,239	342	1,160	55-64 YEARS	9	3,866	5	2,222
963	4,991	680	3,038	65-74 YEARS	8	6,202	5	6,386
724	10,502	872	8,099	75-84 YEARS	5	12,821	3	6,250
204	21,824	448	18,207	85+	0	0	4	- - -
0		1		UNKNOWN	0		0	
3,354	1,113	2,775	795	TOTAL*	28	1,283	20	- - -
1,981	7,478	1,991	5,310	65+ *	13	7,706	12	- - -
				BINGHAMTON, N.Y.		TOTAL DEATHS =	6,177	
				BIRMINGHAM, ALA.				
276	1,057	168	1,207	-28 DAYS	257	2,854	207	2,219
331	2,348	232	1,777	-1 YEAR	373	4,142	315	3,376
368	535	273	422	0-4 YEARS	435	972	359	791
52	42	38	32	5-14 YEARS	53	67	29	36
117	168	43	48	15-24 YEARS	93	218	61	128
123	164	63	88	25-34 YEARS	126	413	138	334
294	330	180	197	35-44 YEARS	246	759	266	639
720	1,018	316	417	45-54 YEARS	560	1,692	489	1,255
1,130	2,799	494	867	55-64 YEARS	816	3,557	826	2,926
1,469	5,106	967	2,506	65-74 YEARS	970	6,256	704	4,347
1,173	10,469	1,275	7,834	75-84 YEARS	421	8,857	657	7,106
372	20,598	694	19,493	85+	126	13,420	179	11,387
1		0		UNKNOWN	0		1	
5,803	1,150	4,273	677	TOTAL*	3,044	1,686	3,509	1,151
2,994	7,476	2,876	4,941	65+ *	1,515	7,330	1,430	5,530
				BIRMINGHAM, ALA.		TOTAL DEATHS =	17,619	
				BOSTON-LOWELL-LAWRENCE, MASS.				
1,932	1,873	1,366	1,397	-28 DAYS	132	2,850	92	2,112
2,493	2,41[illegible]	1,761	1,801	-1 YEAR	179	3,864	133	3,053
2,817	579	2,091	454	0-4 YEARS	204	1,095	148	786
400	49	256	33	5-14 YEARS	26	97	9	33
553	95	246	41	15-24 YEARS	22	115	16	81
712	127	471	83	25-34 YEARS	54	246	53	236
1,907	330	1,206	194	35-44 YEARS	118	611	84	460
4,972	980	2,973	511	45-54 YEARS	158	1,321	98	700
9,980	2,419	5,779	1,170	55-64 YEARS	256	2,818	163	1,810
14,529	5,156	11,159	2,996	65-74 YEARS	293	5,396	210	3,429
11,693	10,512	14,122	8,098	75-84 YEARS	203	9,119	109	7,362
4,558	22,306	8,546	20,287	85+	86	20,438	95	15,755
44		33		UNKNOWN	1		0	
52,162	1,176	46,792	756	TOTAL*	1,419	1,361	1,075	925
30,782	7,827	33,867	5,306	65+ *	580	7,782	504	5,218
				BOSTON-LOWELL-LAWRENCE, MASS.		TOTAL DEATHS =	101,408	
				BRIDGEPORT-STAMFORD-NORWALK, CONN.				
356	1,868	241	1,285	-28 DAYS	64	3,893	36	2,000
444	2,314	317	1,690	-1 YEAR	86	5,231	49	2,722
481	501	374	397	0-4 YEARS	96	1,228	57	763
70	40	34	20	5-14 YEARS	8	80	9	91
110	113	43	40	15-24 YEARS	13	200	4	48
142	130	87	73	25-34 YEARS	29	344	27	300
388	283	249	179	35-44 YEARS	58	815	31	388
994	818	542	456	45-54 YEARS	61	1,284	49	865
1,794	2,169	1,007	1,184	55-64 YEARS	90	3,006	52	1,860
2,767	5,051	1,949	2,996	65-74 YEARS	68	6,822	55	3,757
1,898	10,000	2,282	7,913	75-84 YEARS	53	13,986	51	9,397
705	19,438	1,281	19,390	85+	16	14,035	16	13,333
7		3		UNKNOWN	0		1	
9,473	1,085	7,871	777	TOTAL*	512	1,572	352	982
5,470	7,247	5,482	5,285	65+ *	157	8,979	122	5,871
				BRIDGEPORT-STAMFORD-NORWALK, CONN.		TOTAL DEATHS =	18,208	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				BROCKTON, MASS.				
176	2,027	119	1,424	-28 DAYS	7	2,846	7	2,288
231	2,661	165	1,974	-1 YEAR	12	4,878	9	2,941
257	588	197	465	0-4 YEARS	12	1,156	9	865
32	44	23	33	5-14 YEARS	0	0	2	128
54	136	24	55	15-24 YEARS	3	253	1	91
60	138	28	62	25-34 YEARS	0	0	1	102
172	349	102	203	35-44 YEARS	1	98	3	316
335	812	185	447	45-54 YEARS	11	1,763	5	838
679	2,248	382	1,161	55-64 YEARS	12	2,273	15	3,968
1,175	4,985	876	3,006	65-74 YEARS	28	4,714	18	5,217
1,091	11,027	1,229	8,433	75-84 YEARS	24	9,524	13	9,028
469	22,429	729	20,016	85+	8	14,815	5	12,821
1		4		UNKNOWN	0		0	
4,325	1,153	3,777	758	TOTAL*	99	1,189	72	1,251
2,735	7,654	2,832	5,479	65+ *	60	6,627	36	6,710
				BROCKTON, MASS. TOTAL DEATHS = 8,273				
				BROWNSVILLE-HARLINGEN-SAN BENITO, TEXAS				
193	2,260	112	1,374	-28 DAYS	0	0	3	4,545
334	3,035	290	2,821	-1 YEAR	0	0	3	4,545
387	1,102	289	873	0-4 YEARS	0	0	3	1,053
39	67	27	46	5-14 YEARS	0	0	0	0
56	164	22	43	15-24 YEARS	1	256	1	392
52	191	38	120	25-34 YEARS	0	0	1	379
78	331	41	243	35-44 YEARS	1	483	0	0
140	744	96	486	45-54 YEARS	3	1,471	3	1,408
236	1,843	176	946	55-64 YEARS	3	2,128	1	833
351	4,735	266	2,954	65-74 YEARS	5	6,944	2	2,667
291	9,117	256	6,893	75-84 YEARS	6	18,182	2	9,524
130	21,559	117	14,286	85+	0	0	2	- - -
0		0		UNKNOWN	0		0	
1,760	1,112	1,276	735	TOTAL*	19	1,368	15	- - -
772	6,905	619	4,692	65+ *	11	9,699	6	- - -
				BROWNSVILLE-HARLINGEN-SAN BENITO, TEXAS TOTAL DEATHS = 3,070				
				BUFFALO, N.Y.				
860	2,010	612	1,515	-28 DAYS	165	3,544	129	2,825
1,074	2,510	776	1,976	-1 YEAR	207	4,446	164	3,592
1,236	590	882	434	0-4 YEARS	237	1,108	177	837
176	50	110	33	5-14 YEARS	20	69	7	23
282	134	112	49	15-24 YEARS	23	146	17	88
328	142	210	88	25-34 YEARS	60	295	34	167
789	306	572	212	35-44 YEARS	111	600	93	500
2,072	956	1,042	474	45-54 YEARS	186	1,439	117	969
4,065	2,470	2,242	1,289	55-64 YEARS	282	3,136	162	2,176
6,127	5,578	4,310	3,347	65-74 YEARS	212	5,876	142	4,193
6,192	11,096	4,440	8,588	75-84 YEARS	83	8,755	67	6,381
1,351	21,861	2,142	19,076	85+	35	18,519	34	15,315
66		12		UNKNOWN	18		2	
20,681	1,221	16,114	800	TOTAL*	1,265	1,399	852	998
11,670	8,034	10,712	5,757	65+ *	330	7,290	243	5,429
				BUFFALO, N.Y. TOTAL DEATHS = 38,912				
				CANTON, OHIO				
251	2,732	186	1,763	-28 DAYS	29	3,477	17	2,267
334	2,970	229	2,145	-1 YEAR	38	4,556	31	4,133
364	461	240	488	0-4 YEARS	41	1,005	33	828
40	41	39	41	5-14 YEARS	6	59	2	30
87	155	30	47	15-24 YEARS	3	87	3	75
80	151	45	76	25-34 YEARS	13	360	12	304
204	306	113	161	35-44 YEARS	21	624	14	371
464	862	240	443	45-54 YEARS	37	1,408	35	1,260
907	2,161	445	1,127	55-64 YEARS	70	3,268	68	2,610
1,430	4,921	800	2,749	65-74 YEARS	60	5,935	45	4,870
1,130	9,853	1,145	7,583	75-84 YEARS	26	7,692	25	7,716
462	21,183	656	19,825	85+	11	19,298	7	11,111
0		0		UNKNOWN	0		0	
5,172	1,111	3,926	718	TOTAL*	286	1,375	224	1,125
3,027	7,147	2,711	5,073	65+ *	95	7,176	77	6,017
				CANTON, OHIO TOTAL DEATHS = 9,606				
				CEDAR RAPIDS, IOWA				
72	1,311	60	1,116	-28 DAYS	2	3,333	0	0
101	1,840	85	1,541	-1 YEAR	3	5,000	1	1,111
124	483	97	405	0-4 YEARS	3	1,209	1	355
16	40	15	39	5-14 YEARS	0	0	0	0
35	138	17	55	15-24 YEARS	0	0	0	0
31	113	17	62	25-34 YEARS	1	366	0	0
85	329	39	150	35-44 YEARS	0	0	0	0
184	882	78	366	45-54 YEARS	0	0	3	1,493
319	1,976	175	986	55-64 YEARS	5	3,968	0	0
485	4,285	342	2,478	65-74 YEARS	5	4,762	2	1,756
480	9,592	485	6,612	75-84 YEARS	4	12,121	4	7,407
208	21,138	322	18,797	85+	4	- - -	3	25,000
1		3		UNKNOWN	0		0	
1,968	1,032	1,500	637	TOTAL*	22	- - -	13	639
1,173	6,716	1,149	4,550	65+ *	13	- - -	9	4,641
				CEDAR RAPIDS, IOWA TOTAL DEATHS = 3,593				
				CHAMPAIGN-URBANA, ILL.				
93	2,141	56	1,487	-28 DAYS	11	3,595	6	1,852
120	2,767	76	1,949	-1 YEAR	16	5,429	12	3,704
132	577	86	394	0-4 YEARS	20	1,075	13	776
14	52	9	31	5-14 YEARS	0	0	1	48
25	42	8	72	15-24 YEARS	1	36	0	0
29	95	21	83	25-34 YEARS	3	115	6	286
53	256	40	198	35-44 YEARS	8	449	1	79
100	686	58	387	45-54 YEARS	11	1,378	8	956
188	1,858	171	1,022	55-64 YEARS	20	3,965	13	2,490
242	4,406	227	2,502	65-74 YEARS	16	5,556	12	3,175
331	11,011	345	7,458	75-84 YEARS	9	7,143	9	6,667
144	21,818	215	20,833	85+	4	16,667	3	- - -
0		0		UNKNOWN	0		0	
1,310	1,035	1,190	678	TOTAL*	90	1,313	66	- - -
767	7,231	787	4,918	65+ *	29	6,623	24	- - -
				CHAMPAIGN-URBANA, ILL. TOTAL DEATHS = 2,596				

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

AGE	MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
CHARLESTON, S.C.								
-28 DAYS	130	2,060	91	1,391	104	2,519	71	1,782
-1 YEAR	161	2,551	116	1,935	194	4,700	136	3,414
0-4 YEARS	178	657	139	537	241	1,279	167	902
5-14 YEARS	24	58	15	38	33	98	27	82
15-24 YEARS	51	117	16	40	51	288	24	125
25-34 YEARS	58	176	34	113	82	753	50	367
35-44 YEARS	121	419	71	252	133	1,081	119	806
45-54 YEARS	224	1,198	101	511	268	2,767	241	2,164
55-64 YEARS	332	2,902	144	1,158	300	5,682	329	4,962
65-74 YEARS	312	5,247	240	3,211	186	5,022	206	4,368
75-84 YEARS	204	10,848	290	7,203	56	7,018	63	4,200
85+	70	21,407	174	16,337	10	6,667	20	5,464
UNKNOWN	1		0		0		0	
TOTAL*	1,577	1,262	1,144	750	1,360	1,832	1,246	1,371
65+ *	588	7,721	634	5,065	252	6,270	289	4,383
CHARLESTON, S.C. TOTAL DEATHS = 5,337								
CHARLESTON, W. VA.								
-28 DAYS	164	1,901	113	1,414	21	3,646	13	3,333
-1 YEAR	217	2,515	142	2,027	29	5,035	17	4,359
0-4 YEARS	240	588	190	481	33	1,247	20	817
5-14 YEARS	35	45	35	46	6	126	2	42
15-24 YEARS	67	148	26	49	5	161	3	88
25-34 YEARS	84	186	47	92	7	391	3	117
35-44 YEARS	216	441	119	224	16	727	9	333
45-54 YEARS	432	1,070	195	474	36	1,540	35	1,257
55-64 YEARS	611	2,306	287	1,036	65	3,052	53	2,253
65-74 YEARS	793	5,163	501	2,862	78	5,285	61	4,003
75-84 YEARS	631	10,580	576	7,652	52	10,256	38	7,322
85+	227	20,902	285	19,547	15	17,241	14	16,667
UNKNOWN	0		1		2		0	
TOTAL*	3,336	1,199	2,262	731	315	1,455	238	1,033
65+ *	1,651	7,562	1,342	5,138	145	7,347	113	5,642
CHARLESTON, W. VA. TOTAL DEATHS = 6,151								
CHARLOTTE, N.C.								
-28 DAYS	143	1,911	96	1,415	138	4,451	83	2,538
-1 YEAR	177	2,366	171	1,783	205	6,915	167	6,495
0-4 YEARS	200	548	146	409	225	1,521	167	1,093
5-14 YEARS	31	50	23	38	18	75	10	40
15-24 YEARS	55	148	17	39	40	277	24	168
25-34 YEARS	86	184	34	66	70	617	45	309
35-44 YEARS	162	352	96	202	130	1,114	108	800
45-54 YEARS	334	1,026	137	393	201	2,228	160	1,578
55-64 YEARS	461	2,289	210	894	205	3,750	184	2,783
65-74 YEARS	527	5,076	337	2,307	205	7,014	175	4,821
75-84 YEARS	390	9,985	433	6,423	66	6,986	67	5,668
85+	144	25,337	246	17,750	18	10,169	37	10,916
UNKNOWN	0		0		0		0	
TOTAL*	2,790	1,170	1,685	617	1,179	1,696	977	1,219
65+ *	1,061	7,590	1,074	4,325	289	7,184	279	5,400
CHARLOTTE, N.C. TOTAL DEATHS = 6,230								
CHATTANOOGA, TENN.-GA.								
-28 DAYS	176	2,196	133	1,718	79	3,438	64	2,971
-1 YEAR	220	2,957	171	2,209	110	4,787	94	4,364
0-4 YEARS	260	701	195	523	119	1,246	109	1,137
5-14 YEARS	44	63	31	45	11	64	6	35
15-24 YEARS	70	154	26	50	27	322	10	101
25-34 YEARS	93	198	67	131	52	694	48	472
35-44 YEARS	164	360	91	182	91	1,180	89	899
45-54 YEARS	388	988	192	445	152	1,855	156	1,626
55-64 YEARS	592	2,218	286	927	269	4,328	192	2,525
65-74 YEARS	778	4,804	541	2,659	224	6,465	197	4,776
75-84 YEARS	672	10,492	715	7,843	89	8,599	82	5,906
85+	245	21,102	376	21,367	26	11,556	29	5,262
UNKNOWN	1		0		1		0	
TOTAL*	3,317	1,172	2,578	725	1,061	1,710	918	1,223
65+ *	1,695	7,366	1,640	5,166	339	7,368	308	5,287
CHATTANOOGA, TENN.-GA. TOTAL DEATHS = 7,823								
CHICAGO, ILL.								
-28 DAYS	3,455	1,890	2,300	1,318	1,380	2,733	1,170	2,314
-1 YEAR	4,613	2,524	3,179	1,822	2,099	4,156	1,786	3,532
0-4 YEARS	5,276	606	3,688	439	2,430	1,144	2,088	975
5-14 YEARS	714	50	506	36	188	66	125	43
15-24 YEARS	1,147	122	520	52	320	200	191	97
25-34 YEARS	1,537	150	914	90	802	397	534	231
35-44 YEARS	3,900	344	2,536	217	1,350	739	1,057	537
45-54 YEARS	10,276	1,027	5,307	518	2,100	1,505	1,648	1,207
55-64 YEARS	18,470	2,411	9,693	1,212	2,946	3,128	2,321	2,506
65-74 YEARS	26,133	5,484	18,009	3,237	2,791	6,325	2,190	4,427
75-84 YEARS	17,630	11,723	18,046	8,380	1,281	9,536	1,261	7,412
85+	8,263	22,736	8,437	19,989	362	14,080	520	13,364
UNKNOWN	0		3		0		1	
TOTAL*	90,354	1,231	67,845	786	14,570	1,479	11,936	1,121
65+ *	49,026	8,058	44,610	5,594	4,434	7,659	3,971	5,764
CHICAGO, ILL. TOTAL DEATHS = 184,726								
CINCINNATI, OHIO-KY.								
-28 DAYS	694	1,917	496	1,638	191	3,064	159	2,772
-1 YEAR	880	2,430	640	1,896	234	3,754	209	3,664
0-4 YEARS	995	523	729	448	271	908	231	838
5-14 YEARS	121	45	92	35	26	61	12	30
15-24 YEARS	190	115	93	49	36	164	26	99
25-34 YEARS	260	145	171	92	99	429	71	260
35-44 YEARS	587	436	379	198	189	825	173	609
45-54 YEARS	1,576	1,002	873	503	356	1,705	267	1,165
55-64 YEARS	2,925	2,271	1,540	1,113	551	3,434	399	2,444
65-74 YEARS	4,140	5,206	3,040	2,891	516	6,052	369	4,119
75-84 YEARS	3,441	10,990	4,031	8,044	205	10,318	274	7,956
85+	1,241	22,400	2,270	20,305	123	18,062	114	17,117
UNKNOWN	1		2		0		0	
TOTAL*	15,370	1,186	13,310	748	2,460	1,537	1,936	1,119
65+ *	8,827	7,790	9,471	5,320	934	7,920	757	5,922
CINCINNATI, OHIO-KY. TOTAL DEATHS = 33,085								

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				CLEVELAND, OHIO				
1,907	1,965	833	1,706	-28 DAYS	413	3,910	348	2,909
1,250	2,452	1,043	2,136	-1 YEAR	501	4,458	438	3,661
1,429	564	1,146	482	0-4 YEARS	567	1,009	483	863
172	40	112	27	5-14 YEARS	60	73	35	43
242	95	103	36	15-24 YEARS	70	167	44	86
384	135	202	68	25-34 YEARS	203	353	154	225
997	290	700	197	35-44 YEARS	417	764	282	481
2,778	975	1,448	493	45-54 YEARS	501	1,516	421	1,072
6,792	2,368	2,682	1,200	55-64 YEARS	881	3,293	601	2,278
7,504	5,332	5,271	3,161	65-74 YEARS	740	5,518	505	3,423
6,787	10,960	5,595	8,337	75-84 YEARS	314	8,164	303	6,466
1,574	22,654	2,570	20,583	85+	98	13,668	158	13,791
7		1		UNKNOWN	1		0	
26,164	1,186	19,710	776	TOTAL*	3,042	1,379	2,086	877
14,366	7,876	13,296	5,585	65+ *	1,152	6,716	966	4,856
				CLEVELAND, OHIO	TOTAL DEATHS =		51,802	
				COLORADO SPRINGS, COLO.				
150	3,870	96	2,581	-28 DAYS	14	11,667	7	3,646
181	4,670	119	3,199	-1 YEAR	16	13,333	9	4,688
199	787	136	544	0-4 YEARS	19	1,213	9	974
25	50	11	27	5-14 YEARS	2	118	0	0
33	82	16	57	15-24 YEARS	1	44	0	0
37	132	24	86	25-34 YEARS	5	256	4	186
80	278	51	176	35-44 YEARS	2	194	2	215
128	665	78	387	45-54 YEARS	2	397	1	216
221	1,748	137	941	55-64 YEARS	3	1,124	5	1,587
364	4,404	275	2,405	65-74 YEARS	7	4,321	9	5,866
371	9,469	400	6,792	75-84 YEARS	11	16,667	7	5,426
171	21,909	289	18,349	85+	3	16,667	2	6,061
0		0		UNKNOWN	0		0	
1,629	1,020	1,415	653	TOTAL*	55	1,150	39	887
906	6,781	964	4,528	65+ *	21	8,468	18	4,413
				COLORADO SPRINGS, COLO.	TOTAL DEATHS =		3,138	
				COLUMBIA, S.C.				
108	1,681	69	1,192	-28 DAYS	79	2,220	60	1,700
141	2,257	95	1,641	-1 YEAR	152	4,472	135	4,047
158	536	113	406	0-4 YEARS	180	1,137	164	1,016
41	80	17	34	5-14 YEARS	27	98	19	68
38	60	18	43	15-24 YEARS	36	171	24	124
60	156	32	85	25-34 YEARS	69	507	67	320
131	360	65	172	35-44 YEARS	131	1,009	106	770
286	1,038	110	385	45-54 YEARS	191	2,083	142	1,438
371	2,251	179	922	55-64 YEARS	229	3,973	231	3,407
401	5,206	315	2,385	65-74 YEARS	223	5,623	182	3,692
322	8,805	423	7,456	75-84 YEARS	59	4,660	61	3,542
104	20,513	199	13,907	85+	16	7,619	21	5,600
8		10		UNKNOWN	5		8	
2,018	1,116	1,475	627	TOTAL*	1,160	1,459	1,003	1,096
827	7,072	931	4,450	65+ *	298	5,466	264	3,757
				COLUMBIA, S.C.	TOTAL DEATHS =		5,656	
				COLUMBUS, GA.-ALA.				
160	2,301	90	1,446	-28 DAYS	80	2,667	69	2,314
206	2,936	111	1,784	-1 YEAR	119	3,967	113	3,789
228	764	132	457	0-4 YEARS	129	965	130	967
27	60	16	36	5-14 YEARS	24	104	11	48
41	73	12	35	15-24 YEARS	34	200	19	129
53	139	34	96	25-34 YEARS	33	281	61	301
119	380	69	196	35-44 YEARS	87	871	102	845
217	1,076	71	338	45-54 YEARS	139	1,768	142	1,406
317	2,754	160	1,187	55-64 YEARS	186	4,109	184	2,973
316	5,240	251	2,796	65-74 YEARS	150	5,128	198	4,465
255	11,724	205	8,120	75-84 YEARS	80	9,439	81	5,325
66	22,680	143	18,766	85+	27	14,516	31	8,908
1		0		UNKNOWN	0		4	
1,640	1,281	1,173	722	TOTAL*	889	1,676	963	1,162
637	8,033	599	5,182	65+ *	257	6,981	310	4,955
				COLUMBUS, GA.-ALA.	TOTAL DEATHS =		4,645	
				COLUMBUS, OHIO				
453	1,909	331	1,439	-28 DAYS	109	2,724	87	2,262
592	2,453	476	1,852	-1 YEAR	156	3,898	121	3,146
658	564	475	437	0-4 YEARS	176	1,015	135	765
83	40	64	33	5-14 YEARS	16	66	8	33
116	90	43	38	15-24 YEARS	22	149	16	94
155	116	106	79	25-34 YEARS	44	231	30	109
350	292	240	213	35-44 YEARS	96	573	84	524
860	960	513	531	45-54 YEARS	178	1,497	133	1,072
1,612	2,442	856	1,181	55-64 YEARS	268	2,913	107	2,152
2,066	5,057	1,556	2,898	65-74 YEARS	291	5,750	224	4,069
1,860	11,125	2,059	7,938	75-84 YEARS	185	9,400	191	8,782
660	21,003	1,143	19,461	85+	67	19,420	71	16,909
0		0		UNKNOWN	0		0	
8,369	1,170	7,089	765	TOTAL*	1,343	1,374	1,087	1,075
4,535	7,650	4,776	5,287	65+ *	543	7,738	486	6,105
				COLUMBUS, OHIO	TOTAL DEATHS =		17,898	
				CORPUS CHRISTI, TEXAS				
187	1,968	147	1,600	-28 DAYS	11	2,263	10	2,996
261	2,719	211	2,297	-1 YEAR	14	3,909	23	4,307
298	652	248	566	0-4 YEARS	25	1,095	25	1,233
38	44	25	33	5-14 YEARS	1	29	3	88
83	186	32	69	15-24 YEARS	1	52	4	188
77	186	42	92	25-34 YEARS	3	170	4	169
114	293	84	201	35-44 YEARS	16	771	5	194
275	880	123	392	45-54 YEARS	30	1,751	20	1,102
444	2,357	197	1,070	55-64 YEARS	39	3,394	20	1,768
485	5,096	215	2,612	65-74 YEARS	21	4,575	14	3,091
344	10,023	313	7,358	75-84 YEARS	8	6,349	12	5,970
95	17,742	125	13,312	85+	4	22,222	1	1,961
0		0		UNKNOWN	0		0	
2,264	1,140	1,464	675	TOTAL*	140	1,316	108	863
939	7,184	713	4,541	65+ *	33	6,062	27	3,833
				CORPUS CHRISTI, TEXAS	TOTAL DEATHS =		3,986	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES

NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				DALLAS, TEXAS				
684	2,005	486	1,505	-28 DAYS	253	2,830	179	2,095
859	2,517	611	1,900	-1 YEAR	358	4,004	289	3,382
970	602	711	455	0-4 YEARS	412	1,090	341	918
156	56	89	34	5-14 YEARS	32	63	20	39
251	145	108	53	15-24 YEARS	95	305	49	138
315	159	186	88	25-34 YEARS	147	458	81	214
670	342	342	180	35-44 YEARS	172	642	149	492
1,326	859	582	359	45-54 YEARS	305	1,404	277	1,152
2,128	2,069	1,034	[illegible]	55-64 YEARS	486	3,199	391	2,454
2,716	4,625	1,643	2,128	65-74 YEARS	478	5,365	386	4,087
2,090	9,835	2,338	6,815	75-84 YEARS	228	7,236	182	5,535
772	19,261	1,245	15,864	85+	78	10,442	66	7,829
1		1		UNKNOWN	1		2	
11,406	1,080	8,297	607	TOTAL*	2,434	1,332	1,944	1,002
5,587	6,904	5,276	4,210	65+ *	784	6,201	634	4,702
				DALLAS, TEXAS		TOTAL DEATHS =	24,079	
				DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL.				
212	2,175	154	1,637	-28 DAYS	8	2,299	13	3,439
274	2,809	189	2,009	-1 YEAR	13	3,736	16	4,233
310	669	218	496	0-4 YEARS	18	1,235	19	1,287
38	48	35	47	5-14 YEARS	1	45	1	50
66	139	24	45	15-24 YEARS	0	0	3	210
57	119	43	87	25-34 YEARS	3	222	3	202
131	258	95	180	35-44 YEARS	7	545	5	458
406	865	108	421	45-54 YEARS	7	827	19	2,238
792	2,246	379	1,043	55-64 YEARS	15	2,252	10	1,667
1,127	4,677	753	2,714	65-74 YEARS	20	5,464	11	3,427
974	9,968	900	7,531	75-84 YEARS	14	9,929	10	6,803
390	22,648	538	17,773	85+	8	29,630	5	- - -
2		2		UNKNOWN	0		0	
4,293	1,100	3,275	698	TOTAL*	93	1,286	86	- - -
2,491	7,166	2,281	4,907	65+ *	42	8,070	26	- - -
				DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL.		TOTAL DEATHS =	7,747	
				DAYTON, OHIO				
446	1,919	306	1,358	-28 DAYS	119	3,756	100	2,924
553	2,379	394	1,748	-1 YEAR	165	5,408	125	3,655
638	552	480	409	0-4 YEARS	178	1,155	140	893
96	40	69	37	5-14 YEARS	26	116	13	56
153	135	67	52	15-24 YEARS	19	142	22	139
174	138	99	73	25-34 YEARS	53	370	30	176
416	309	202	148	35-44 YEARS	98	662	78	505
882	890	462	462	45-54 YEARS	133	1,314	84	835
1,684	2,173	778	1,007	55-64 YEARS	212	3,139	168	2,555
2,109	4,975	1,446	2,791	65-74 YEARS	228	5,693	155	3,962
1,764	10,420	1,075	8,074	75-84 YEARS	125	10,711	107	7,873
721	22,482	1,193	21,945	85+	41	15,185	57	10,192
1		0		UNKNOWN	1		0	
8,429	1,131	6,691	723	TOTAL*	1,116	1,436	854	1,084
4,583	7,484	4,554	5,344	65+ *	394	7,630	319	5,911
				DAYTON, OHIO		TOTAL DEATHS =	17,028	
				DECATUR, ILL.				
78	2,022	49	1,270	-28 DAYS	6	1,887	8	3,030
92	2,385	64	1,659	-1 YEAR	10	3,145	13	4,924
104	550	78	426	0-4 YEARS	11	712	14	919
16	48	18	56	5-14 YEARS	0	0	0	0
18	94	11	50	15-24 YEARS	2	166	0	0
37	174	21	93	25-34 YEARS	2	192	0	0
66	301	26	104	35-44 YEARS	4	377	2	156
153	428	83	423	45-54 YEARS	8	1,084	5	439
298	2,061	186	971	55-64 YEARS	23	4,283	8	880
411	4,310	378	2,679	65-74 YEARS	16	4,984	10	1,916
442	10,464	420	6,997	75-84 YEARS	9	8,133	14	4,321
176	18,330	257	17,272	85+	3	10,000	20	13,889
0		0		UNKNOWN	0		1	4,167
1,714	1,050	1,306	659	TOTAL*	78	1,246	0	
1,023	6,810	1,008	4,706	65+ *	28	6,203	74	1,095
							35	6,990
				DECATUR, ILL.		TOTAL DEATHS =	8,262	
				DENVER, COLO.				
793	2,332	511	1,527	-28 DAYS	55	2,910	52	2,700
985	2,857	641	1,976	-1 YEAR	78	4,12[illegible]	68	3,531
1,117	621	749	480	0-4 YEARS	94	1,059	83	959
146	53	106	39	5-14 YEARS	5	41	4	32
236	134	102	55	15-24 YEARS	15	191	9	113
304	164	193	100	25-34 YEARS	30	320	24	262
592	323	360	191	35-44 YEARS	51	641	33	389
1,774	926	691	479	45-54 YEARS	61	1,199	26	534
2,035	2,130	1,063	1,003	55-64 YEARS	66	2,041	56	1,562
2,914	4,532	1,903	2,506	65-74 YEARS	124	5,660	72	3,191
2,576	9,767	2,726	7,027	75-84 YEARS	68	7,789	56	5,622
1,074	21,179	1,770	16,700	85+	24	16,327	24	9,877
1		2		UNKNOWN	0		0	
12,212	1,104	9,703	682	TOTAL*	538	1,215	387	802
6,564	7,970	6,439	4,678	65+ *	216	6,722	152	4,247
				DENVER, COLO.		TOTAL DEATHS =	22,900	
				DES MOINES, IOWA				
190	1,919	171	1,322	-28 DAYS	22	3,459	15	3,012
244	2,405	147	1,795	-1 YEAR	25	3,931	19	3,919
281	620	184	425	0-4 YEARS	28	1,228	25	1,089
44	59	22	31	5-14 YEARS	1	28	2	54
81	154	40	42	15-24 YEARS	0	0	3	126
67	129	42	82	25-34 YEARS	4	223	3	131
144	408	85	171	35-44 YEARS	10	560	5	242
350	898	270	407	45-54 YEARS	17	1,145	17	1,001
717	2,274	348	1,017	55-64 YEARS	27	2,133	25	1,877
1,047	4,857	671	2,506	65-74 YEARS	48	5,517	45	4,839
841	17,096	877	7,305	75-84 YEARS	51	16,038	26	7,471
350	27,287	545	19,672	85+	17	24,667	17	14,912
[illegible]		0		UNKNOWN	0		0	
5,556	1,134	3,142	676	TOTAL*	203	1,434	168	1,045
2,787	7,557	2,247	4,886	65+ *	116	9,623	88	4,161
				DES MOINES, IOWA		TOTAL DEATHS =	7,483	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				DETROIT, MICH.				
2,310	1,966	1,675	1,487	-28 DAYS	760	3,108	549	2,324
2,035	2,499	2,200	1,953	-1 YEAR	978	4,108	752	3,183
3,326	561	2,506	441	0-4 YEARS	1,101	908	839	700
403	41	249	26	5-14 YEARS	99	51	65	34
673	127	301	30	15-24 YEARS	160	158	112	101
850	136	570	80	25-34 YEARS	315	287	316	235
2,090	304	1,365	187	35-44 YEARS	685	549	606	454
5,041	915	2,690	483	45-54 YEARS	1,201	1,306	912	1,017
9,767	2,249	4,748	1,142	55-64 YEARS	1,630	2,691	1,243	2,252
13,781	5,219	7,976	2,964	65-74 YEARS	1,496	5,481	1,107	3,966
7,961	10,686	7,739	7,929	75-84 YEARS	539	8,050	510	6,100
2,269	21,867	3,617	19,135	85+	160	13,333	228	11,931
3		1		UNKNOWN	0		1	
46,167	1,156	31,600	737	TOTAL*	7,366	1,240	5,939	964
24,011	7,682	19,390	5,261	65+ *	2,195	6,640	1,865	4,997
				DETROIT, MICH.		TOTAL DEATHS =	91,157	
				DUBUQUE, IOWA				
70	1,896	46	1,379	-28 DAYS	0	0	0	-
90	2,435	57	1,709	-1 YEAR	0	0	0	-
98	610	45	414	0-4 YEARS	0	0	0	0
10	78	7	29	5-14 YEARS	0	0	0	0
29	162	5	27	15-24 YEARS	0	0	0	0
21	150	12	89	25-34 YEARS	1	2,564	0	0
35	255	26	188	35-44 YEARS	0	0	0	0
109	965	49	406	45-54 YEARS	0	0	0	0
208	2,363	89	847	55-64 YEARS	0	0	4	---
313	4,898	236	2,714	65-74 YEARS	1	---	6	---
290	9,440	340	7,407	75-84 YEARS	1	---	15	---
152	24,477	258	20,773	85+	0	-	9	---
1		0		UNKNOWN	0		0	
1,275	1,146	1,105	678	TOTAL*	3	---	36	---
755	7,268	852	5,041	65+ *	2	---	30	---
				DUBUQUE, IOWA		TOTAL DEATHS =	2,417	
				DULUTH-SUPERIOR, MINN.-WIS.				
179	1,914	137	1,442	-28 DAYS	1	556	1	877
243	2,598	173	1,821	-1 YEAR	1	556	3	2,632
289	610	200	439	0-4 YEARS	1	169	5	790
64	56	30	37	5-14 YEARS	0	0	0	0
79	157	72	41	15-24 YEARS	1	178	1	183
84	198	37	84	25-34 YEARS	1	196	1	212
168	331	106	202	35-44 YEARS	3	877	3	847
492	981	232	467	45-54 YEARS	1	316	0	0
798	2,175	455	1,203	55-64 YEARS	8	4,403	3	2,222
1,508	4,781	972	2,940	65-74 YEARS	8	7,619	4	4,040
1,524	11,043	1,039	8,213	75-84 YEARS	8	14,035	2	8,333
659	22,600	499	19,920	85+	3	14,286	0	0
5		2		UNKNOWN	0		0	
5,456	1,167	3,544	796	TOTAL*	34	1,482	19	911
3,491	7,533	2,440	5,369	65+ *	19	9,788	6	5,015
				DULUTH-SUPERIOR, MINN.-WIS.		TOTAL DEATHS =	9,053	
				DURHAM, N.C.				
43	1,696	26	1,228	-28 DAYS	56	3,689	34	2,411
50	2,325	32	1,511	-1 YEAR	77	5,260	51	3,617
66	576	42	382	0-4 YEARS	82	1,318	55	817
7	35	5	26	5-14 YEARS	10	84	10	82
18	88	11	56	15-24 YEARS	22	265	5	50
19	119	13	79	25-34 YEARS	25	463	23	312
73	472	33	206	35-44 YEARS	66	737	48	654
126	1,007	57	401	45-54 YEARS	105	1,870	90	1,351
219	2,598	106	1,033	55-64 YEARS	129	3,545	91	2,080
238	6,986	159	2,668	65-74 YEARS	122	6,315	107	6,608
177	11,390	209	7,212	75-84 YEARS	56	9,000	59	7,506
56	18,482	129	20,093	85+	18	14,286	33	14,865
0		0		UNKNOWN	0		0	
999	1,198	760	667	TOTAL*	611	1,572	521	1,132
471	7,535	497	4,771	65+ *	194	7,513	199	5,995
				DURHAM, N.C.		TOTAL DEATHS =	2,891	
				EL PASO, TEXAS				
631	2,243	289	1,537	-28 DAYS	12	1,802	7	1,164
582	3,028	382	2,032	-1 YEAR	16	2,602	9	1,471
654	942	441	690	0-4 YEARS	21	836	10	386
72	69	31	30	5-14 YEARS	3	100	3	103
118	138	60	71	15-24 YEARS	2	67	2	106
124	175	75	106	25-34 YEARS	12	316	5	153
179	309	112	197	35-44 YEARS	4	195	6	364
270	779	192	523	45-54 YEARS	6	601	10	1,350
469	2,191	330	1,332	55-64 YEARS	12	2,568	9	1,911
622	6,860	473	2,959	65-74 YEARS	14	4,620	7	2,265
439	9,749	405	7,809	75-84 YEARS	12	8,000	8	7,843
154	19,156	254	18,732	85+	2	6,667	3	16,667
0		2		UNKNOWN	0		0	
3,093	1,131	2,495	785	TOTAL*	88	1,002	63	885
1,215	7,030	1,272	5,201	65+ *	28	5,681	18	4,634
				EL PASO, TEXAS		TOTAL DEATHS =	5,699	
				ERIE, PA.				
179	2,123	157	1,925	-28 DAYS	12	2,632	14	3,030
228	2,705	190	2,330	-1 YEAR	22	4,825	19	4,113
257	503	212	514	0-4 YEARS	22	1,241	20	1,026
32	42	25	35	5-14 YEARS	2	72	1	36
51	117	23	48	15-24 YEARS	1	81	1	70
62	147	41	89	25-34 YEARS	5	370	6	357
161	321	91	191	35-44 YEARS	11	853	7	519
412	991	196	467	45-54 YEARS	20	2,090	10	1,072
761	2,538	419	1,313	55-64 YEARS	35	5,401	18	4,286
1,131	5,260	769	3,026	65-74 YEARS	25	9,804	9	3,093
903	11,022	1,005	8,979	75-84 YEARS	10	11,494	5	5,747
358	21,936	526	21,999	85+	3	20,000	3	11,111
0		0		UNKNOWN	0		0	
6,128	1,208	3,277	802	TOTAL*	134	2,037	80	1,138
2,392	7,808	2,280	5,736	65+ *	38	10,849	17	4,285
				ERIE, PA.		TOTAL DEATHS =	7,619	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				EUGENE, OREG.				
114	1,083	82	1,102	-28 DAYS	5	7,576	2	2,083
150	2,478	80	1,599	-1 YEAR	5	7,576	3	3,125
169	620	112	416	0-4 YEARS	5	2,165	3	1,079
28	53	16	28	5-14 YEARS	0	0	0	0
40	137	16	57	15-24 YEARS	0	0	0	0
41	137	22	72	25-34 YEARS	1	203	0	0
114	357	41	126	35-44 YEARS	0	0	0	0
217	779	102	390	45-54 YEARS	2	1,709	0	0
534	1,757	146	848	55-64 YEARS	3	6,250	0	0
907	4,170	245	2,213	65-74 YEARS	1	3,333	0	0
668	8,810	393	6,849	75-84 YEARS	0	0	1	8,333
187	18,273	220	16,897	85+	0	0	0	-
6		0		UNKNOWN	0		0	
2,904	984	1,347	676	TOTAL*	12	1,214	4	-
1,137	6,260	808	4,340	65+ *	1	2,214	1	-
				EUGENE, OREG.		TOTAL DEATHS =	3,478	
				EVANSVILLE, IND.-KY.				
127	1,931	86	1,416	-28 DAYS	16	2,367	14	2,181
190	2,281	113	1,841	-1 YEAR	23	3,433	23	3,583
165	920	136	449	0-4 YEARS	27	1,068	24	951
34	60	22	40	5-14 YEARS	5	74	0	0
67	140	26	46	15-24 YEARS	2	90	9	363
29	80	29	80	25-34 YEARS	2	115	11	448
116	321	71	170	35-44 YEARS	14	712	17	619
296	838	150	443	45-54 YEARS	41	1,872	48	1,806
556	2,270	246	958	55-64 YEARS	75	4,303	57	2,879
775	4,768	567	2,621	65-74 YEARS	91	6,427	57	4,091
673	10,230	726	7,700	75-84 YEARS	50	10,225	40	9,552
267	18,936	416	18,302	85+	27	20,930	22	16,667
2		0		UNKNOWN	0		1	
2,985	1,106	2,383	690	TOTAL*	332	1,616	205	1,345
1,607	7,091	1,687	4,022	65+ *	168	8,303	128	6,298
				EVANSVILLE, IND.-KY.		TOTAL DEATHS =	5,965	
				FALL RIVER-NEW BEDFORD, MASS.				
211	1,713	145	1,340	-28 DAYS	7	2,083	1	367
298	2,410	189	1,766	-1 YEAR	9	2,679	6	2,083
361	573	293	409	0-4 YEARS	9	867	8	766
60	56	28	27	5-14 YEARS	2	104	1	58
82	136	26	35	15-24 YEARS	1	90	2	175
79	121	45	78	25-34 YEARS	4	368	2	168
245	310	165	187	35-44 YEARS	7	731	7	649
668	943	355	445	45-54 YEARS	2	337	4	691
1,306	2,373	812	1,230	55-64 YEARS	16	2,550	18	3,400
1,880	5,076	1,644	3,102	65-74 YEARS	43	7,388	21	4,575
1,634	10,035	2,081	8,690	75-84 YEARS	35	10,776	23	12,568
410	22,222	948	18,707	85+	6	14,500	5	18,519
3		8		UNKNOWN	0		0	
7,024	1,176	6,315	749	TOTAL*	123	1,566	91	1,306
4,239	7,677	4,633	5,597	65+ *	84	11,141	49	7,904
				FALL RIVER-NEW BEDFORD, MASS.		TOTAL DEATHS =	13,557	
				FARGO-MOORHEAD, N. DAK.-MINN.				
76	1,621	71	1,676	-28 DAYS	1	2,778	0	0
97	2,037	88	2,090	-1 YEAR	2	5,556	0	0
109	532	102	517	0-4 YEARS	2	1,709	0	0
16	42	9	29	5-14 YEARS	0	0	0	0
35	141	13	48	15-24 YEARS	0	0	1	900
23	115	9	45	25-34 YEARS	0	0	0	0
50	319	26	143	35-44 YEARS	1	1,754	0	0
117	719	45	291	45-54 YEARS	0	0	0	0
267	1,936	127	977	55-64 YEARS	0	0	0	0
364	4,166	191	2,098	65-74 YEARS	0	0	0	0
324	9,184	240	5,925	75-84 YEARS	0	-	0	-
104	18,453	141	17,297	85+	0	-	1	- - -
1		0		UNKNOWN	0		0	
1,396	983	903	545	TOTAL*	3	-	2	- - -
790	6,369	572	4,021	65+ *	0	-	1	- - -
				FARGO-MOORHEAD, N. DAK.-MINN.		TOTAL DEATHS =	2,302	
				FLINT, MICH.				
279	2,003	214	1,617	-28 DAYS	75	8,501	72	5,315
373	2,877	286	2,146	-1 YEAR	96	4,388	87	4,006
437	410	323	479	0-4 YEARS	102	977	90	968
67	61	36	34	5-14 YEARS	7	54	7	93
87	128	43	62	15-24 YEARS	9	167	8	117
107	150	41	70	25-34 YEARS	19	190	18	184
176	275	117	177	35-44 YEARS	42	563	32	478
454	854	284	530	45-54 YEARS	67	1,022	47	1,190
904	2,228	446	1,196	55-64 YEARS	92	2,861	51	2,174
1,061	4,437	664	2,871	65-74 YEARS	73	7,076	35	5,136
887	10,881	403	7,005	75-84 YEARS	29	10,288	23	8,614
304	21,436	415	18,444	85+	7	10,606	10	11,494
7		0		UNKNOWN	0		0	
4,621	1,130	3,192	736	TOTAL*	603	1,361	333	968
2,195	7,486	1,662	5,107	65+ *	109	8,171	70	4,978
				FLINT, MICH.		TOTAL DEATHS =	8,339	
				FORT LAUDERDALE-HOLLYWOOD, FLA.				
153	1,486	106	1,369	-28 DAYS	173	3,506	73	2,006
213	2,763	127	1,672	-1 YEAR	205	5,840	150	4,110
261	686	142	415	0-4 YEARS	266	1,666	179	1,132
35	40	20	29	5-14 YEARS	18	92	12	60
87	179	17	40	15-24 YEARS	46	387	18	135
75	162	40	75	25-34 YEARS	65	560	43	320
144	257	110	178	35-44 YEARS	89	970	82	808
430	862	243	426	45-54 YEARS	121	1,715	85	1,322
992	2,107	442	789	55-64 YEARS	133	3,619	99	3,003
1,427	3,498	712	1,760	65-74 YEARS	71	4,724	88	4,007
770	7,720	595	5,540	75-84 YEARS	24	5,096	22	3,900
217	14,024	296	15,393	85+	5	4,762	16	17,778
4		0		UNKNOWN	1		0	
4,431	960	2,648	540	TOTAL*	825	1,412	622	1,155
2,414	4,311	1,603	3,504	65+ *	100	4,830	104	4,722
				FORT LAUDERDALE-HOLLYWOOD, FLA.		TOTAL DEATHS =	8,724	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				FORT SMITH, ARK.				
30	1,340	22	1,078	-28 DAYS	5	2,778	1	463
38	1,698	27	1,324	-1 YEAR	5	2,778	4	1,852
45	483	31	338	0-4 YEARS	7	707	6	592
10	54	6	34	5-14 YEARS	1	58	1	63
21	170	7	53	15-24 YEARS	3	365	0	0
12	120	10	88	25-34 YEARS	4	753	2	231
42	363	14	107	35-44 YEARS	4	660	4	513
89	790	46	396	45-54 YEARS	6	957	5	593
168	2,128	74	792	55-64 YEARS	19	3,316	21	3,070
257	4,511	168	2,368	65-74 YEARS	20	4,415	24	4,278
254	10,152	276	6,357	75-84 YEARS	18	11,538	15	6,494
105	19,444	149	20,198	85+	3	5,263	8	14,667
1		0		UNKNOWN	0		0	
1,004	1,058	771	674	TOTAL*	85	1,321	86	1,031
616	6,027	543	4,680	65+ *	41	6,456	47	5,503
				FORT SMITH, ARK.	TOTAL DEATHS =		1,906	
				FORT WAYNE, IND.				
141	1,675	105	1,273	-28 DAYS	21	2,778	18	2,206
182	2,162	127	1,530	-1 YEAR	27	3,571	26	3,186
213	510	156	384	0-4 YEARS	31	816	29	872
33	68	26	36	5-14 YEARS	2	46	1	23
54	143	21	48	15-24 YEARS	6	167	3	109
63	144	36	81	25-34 YEARS	8	342	4	128
112	260	73	161	35-44 YEARS	14	682	10	438
272	777	188	448	45-54 YEARS	17	1,312	14	1,088
557	2,048	309	1,094	55-64 YEARS	19	2,118	21	2,456
803	4,851	528	2,536	65-74 YEARS	29	6,277	11	2,564
690	10,250	730	7,416	75-84 YEARS	11	9,960	14	7,292
257	23,020	427	20,275	85+	1	3,704	3	8,333
1		0		UNKNOWN	0		0	
3,057	1,080	2,470	685	TOTAL*	137	1,255	110	920
1,750	7,384	1,683	4,887	65+ *	41	7,074	28	4,211
				FORT WAYNE, IND.	TOTAL DEATHS =		5,776	
				FORT WORTH, TEXAS				
360	1,887	240	1,376	-28 DAYS	93	2,052	68	2,416
464	2,439	317	1,818	-1 YEAR	158	3,516	113	4,014
528	582	385	443	0-4 YEARS	181	1,285	131	969
82	57	42	33	5-14 YEARS	13	65	13	64
152	150	71	46	15-24 YEARS	37	330	13	121
181	161	102	89	25-34 YEARS	56	474	36	252
360	325	198	178	35-44 YEARS	78	732	66	547
781	860	325	386	45-54 YEARS	140	1,502	115	1,172
1,188	2,155	526	848	55-64 YEARS	221	3,370	149	2,161
1,595	4,753	801	2,357	65-74 YEARS	232	5,832	156	3,670
1,341	10,410	1,270	6,870	75-84 YEARS	88	7,766	94	6,395
475	20,457	781	18,186	85+	25	8,251	43	9,885
0		1		UNKNOWN	0		0	
6,683	1,120	4,078	636	TOTAL*	1,080	1,436	818	1,005
3,411	7,275	3,029	4,487	65+ *	356	6,305	283	4,781
				FORT WORTH, TEXAS	TOTAL DEATHS =		13,259	
				FRESNO, CALIF.				
264	1,057	176	1,406	-28 DAYS	27	2,176	17	1,288
357	2,039	243	2,042	-1 YEAR	45	3,629	29	2,197
415	801	302	519	0-4 YEARS	57	875	35	639
46	41	40	37	5-14 YEARS	1	30	3	31
137	198	43	45	15-24 YEARS	14	267	5	98
139	222	77	116	25-34 YEARS	16	354	13	249
242	350	186	193	35-44 YEARS	30	683	26	479
494	888	290	420	45-54 YEARS	70	1,637	41	1,168
854	2,290	367	925	55-64 YEARS	90	2,627	30	1,124
1,264	4,761	695	2,443	65-74 YEARS	110	4,080	46	2,687
1,059	9,616	882	7,215	75-84 YEARS	111	8,852	37	7,669
350	19,044	495	19,897	85+	33	16,818	16	14,161
3		2		UNKNOWN	0		0	
5,009	1,132	3,246	673	TOTAL*	567	1,312	250	851
2,480	6,092	2,072	4,713	65+ *	254	8,711	97	4,708
				FRESNO, CALIF.	TOTAL DEATHS =		9,050	
				GADSDEN, ALA.				
64	2,430	46	2,193	-28 DAYS	24	3,704	12	1,942
87	3,231	66	2,592	-1 YEAR	33	5,093	25	4,049
102	773	78	677	0-4 YEARS	39	1,249	28	801
17	38	9	75	5-14 YEARS	2	34	4	71
38	236	11	42	15-24 YEARS	8	305	7	216
34	297	15	91	25-34 YEARS	14	407	6	209
64	374	26	187	35-44 YEARS	19	788	31	1,026
138	963	48	386	45-54 YEARS	40	1,797	37	1,690
184	2,008	93	928	55-64 YEARS	50	3,073	38	2,441
243	4,261	186	2,679	65-74 YEARS	68	5,068	41	3,894
228	9,761	298	8,072	75-84 YEARS	21	6,481	25	6,887
74	19,271	83	15,796	85+	7	14,533	14	16,667
[illegible]		0		UNKNOWN	0		0	
1,110	1,136	683	776	TOTAL*	258	1,530	231	1,193
565	6,639	563	5,149	65+ *	96	6,582	80	5,468
				GADSDEN, ALA.	TOTAL DEATHS =		2,461	
				GALVESTON-TEXAS CITY, TEXAS				
84	2,205	41	1,707	-28 DAYS	36	2,541	41	3,092
107	2,998	77	2,093	-1 YEAR	53	3,961	50	3,771
123	651	83	572	0-4 YEARS	66	1,053	55	806
17	57	6	29	5-14 YEARS	4	38	4	39
44	224	13	81	15-24 YEARS	10	192	5	82
34	176	26	136	25-34 YEARS	13	260	11	164
74	318	48	186	35-44 YEARS	46	704	22	334
227	1,090	95	480	45-54 YEARS	76	1,584	58	1,140
320	2,491	196	1,040	55-64 YEARS	112	3,078	92	2,929
405	5,480	241	3,318	65-74 YEARS	116	6,070	78	4,167
239	11,032	270	6,025	75-84 YEARS	54	10,669	63	8,729
75	22,124	126	18,618	85+	16	15,238	14	11,667
[illegible]		0		UNKNOWN	0		0	
1,401	1,251	1,072	736	TOTAL*	513	1,662	372	1,027
756	7,480	605	5,187	65+ *	186	7,816	135	5,201
				GALVESTON-TEXAS CITY, TEXAS	TOTAL DEATHS =		3,506	

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TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				GARY-HAMMOND-EAST CHICAGO, IND.				
389	1,981	291	1,342	-28 DAYS	135	3,057	84	1,900
563	2,772	396	1,893	-1 YEAR	201	4,552	130	2,960
606	435	693	444	0-4 YEARS	237	1,116	150	688
60	38	54	36	5-14 YEARS	17	53	13	40
144	156	44	44	15-24 YEARS	28	189	22	121
167	163	86	87	25-34 YEARS	49	283	46	222
330	321	195	177	35-44 YEARS	92	557	73	423
695	821	391	404	45-54 YEARS	190	1,578	170	1,445
1,253	2,710	679	1,243	55-64 YEARS	261	2,962	219	2,869
1,896	5,381	1,110	3,325	65-74 YEARS	247	6,938	157	4,121
1,189	10,497	1,007	8,112	75-84 YEARS	117	10,000	73	6,489
354	22,056	478	18,709	85+	32	17,778	25	9,058
0		2		UNKNOWN	3		3	
6,700	1,177	4,327	773	TOTAL*	1,273	1,450	951	1,069
3,439	7,804	2,543	5,528	65+ *	396	8,005	255	5,060
				GARY-HAMMOND-EAST CHICAGO, IND.		TOTAL DEATHS =	13,260	
				GRAND RAPIDS, MICH.				
240	1,745	179	1,354	-28 DAYS	30	3,448	18	2,000
311	2,261	225	1,701	-1 YEAR	39	4,483	24	2,667
356	534	248	420	0-4 YEARS	41	1,063	26	660
68	50	46	41	5-14 YEARS	1	18	3	55
71	113	32	44	15-24 YEARS	1	36	5	159
83	131	50	74	25-34 YEARS	10	330	8	211
172	268	113	167	35-44 YEARS	20	733	10	325
415	767	251	440	45-54 YEARS	30	1,511	16	813
874	2,059	448	1,005	55-64 YEARS	32	2,381	31	2,466
1,341	4,573	956	2,745	65-74 YEARS	37	5,606	15	2,336
1,211	10,372	1,372	7,741	75-84 YEARS	18	6,452	18	6,061
490	23,984	646	18,882	85+	7	15,556	16	25,397
1		1		UNKNOWN	0		0	
5,079	1,079	4,171	697	TOTAL*	197	1,240	148	916
3,042	7,285	2,974	5,048	65+ *	62	6,401	49	4,673
				GRAND RAPIDS, MICH.		TOTAL DEATHS =	9,595	
				GREAT FALLS, MONT.				
65	1,961	43	1,396	-28 DAYS	5	2,778	2	980
90	2,577	66	2,140	-1 YEAR	9	5,000	7	3,431
105	705	78	528	0-4 YEARS	9	1,685	10	2,208
14	63	10	46	5-14 YEARS	1	209	0	0
38	263	14	91	15-24 YEARS	2	365	0	0
34	217	18	111	25-34 YEARS	2	466	4	823
54	371	23	168	35-44 YEARS	1	546	0	0
131	1,186	63	617	45-54 YEARS	4	2,151	1	980
158	2,193	87	1,247	55-64 YEARS	6	15,385	2	2,469
270	4,926	149	2,540	65-74 YEARS	2	4,167	2	7,407
266	11,224	195	8,197	75-84 YEARS	6	19,048	1	4,762
80	20,672	92	21,076	85+	0	0	3	---
1		0		UNKNOWN	0		0	
1,160	1,227	716	773	TOTAL*	31	2,741	23	---
425	7,572	423	5,180	65+ *	6	8,097	6	---
				GREAT FALLS, MONT.		TOTAL DEATHS =	1,928	
				GREEN BAY, WIS.				
96	1,715	98	1,811	-28 DAYS	0	0	0	0
122	2,179	123	2,273	-1 YEAR	1	2,778	2	6,667
137	526	146	587	0-4 YEARS	1	333	2	606
14	33	14	35	5-14 YEARS	1	185	0	0
67	192	15	40	15-24 YEARS	4	585	0	0
22	143	22	96	25-34 YEARS	1	383	0	0
60	278	33	143	35-44 YEARS	0	0	1	556
175	923	80	413	45-54 YEARS	2	1,282	3	1,587
304	2,151	149	1,069	55-64 YEARS	1	709	1	761
412	4,540	282	2,639	65-74 YEARS	2	2,667	4	7,407
421	11,076	377	7,298	75-84 YEARS	5	11,111	8	11,594
139	20,327	181	19,653	85+	0	0	1	16,667
0		0		UNKNOWN	0		0	
1,761	1,100	1,309	705	TOTAL*	17	860	20	1,229
972	7,254	840	4,897	65+ *	7	4,880	13	9,099
				GREEN BAY, WIS.		TOTAL DEATHS =	3,087	
				GREENSBORO-HIGH POINT, N.C.				
127	1,768	112	1,709	-28 DAYS	91	3,830	57	2,561
174	2,496	147	2,244	-1 YEAR	128	5,387	97	4,358
196	594	140	443	0-4 YEARS	166	1,370	110	1,051
19	32	19	34	5-14 YEARS	11	64	10	58
61	164	21	63	15-24 YEARS	19	141	14	98
71	164	33	73	25-34 YEARS	29	306	26	240
147	350	69	163	35-44 YEARS	71	785	78	760
322	1,037	142	417	45-54 YEARS	162	2,219	87	1,089
447	2,151	218	917	55-64 YEARS	172	3,659	108	2,171
504	4,593	358	2,694	65-74 YEARS	146	5,984	154	5,653
437	10,480	403	7,827	75-84 YEARS	58	7,859	64	6,584
141	22,275	245	18,596	85+	22	16,667	18	8,333
0		0		UNKNOWN	0		0	
2,344	1,138	1,767	676	TOTAL*	836	1,559	669	1,149
1,082	7,232	1,007	4,863	65+ *	226	7,109	236	6,064
				GREENSBORO-HIGH POINT, N.C.		TOTAL DEATHS =	5,597	
				GREENVILLE, S.C.				
104	1,636	86	1,448	-28 DAYS	55	3,161	39	2,012
139	2,165	113	1,948	-1 YEAR	98	5,632	74	3,818
169	559	136	443	0-4 YEARS	113	1,424	90	1,117
28	40	15	30	5-14 YEARS	13	97	9	65
50	131	18	46	15-24 YEARS	26	208	9	100
57	151	41	134	25-34 YEARS	56	887	43	579
142	386	78	203	35-44 YEARS	77	1,300	41	578
310	1,120	123	425	45-54 YEARS	88	1,955	74	1,306
626	2,593	220	1,113	55-64 YEARS	123	4,120	118	3,106
564	5,698	349	2,781	65-74 YEARS	108	5,742	112	4,708
404	10,993	423	7,588	75-84 YEARS	56	9,373	57	7,063
106	21,037	100	19,567	85+	21	15,617	35	16,667
1		1		UNKNOWN	4		3	
2,239	1,258	1,613	718	TOTAL*	691	1,768	591	1,281
1,058	8,063	972	5,039	65+ *	185	7,365	204	6,038
				GREENVILLE, S.C.		TOTAL DEATHS =	5,134	

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TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				HAMILTON-MIDDLETOWN, OHIO				
149	1,991	108	1,614	-28 DAYS	10	1,702	17	4,167
189	2,526	135	2,018	-1 YEAR	16	2,867	20	4,902
207	977	156	484	0-4 YEARS	18	770	25	1,096
47	80	26	46	5-14 YEARS	6	154	0	0
51	125	19	41	15-24 YEARS	3	152	3	139
70	177	27	46	25-34 YEARS	6	305	4	163
108	292	70	189	35-44 YEARS	15	865	11	549
259	919	173	493	45-54 YEARS	22	1,931	25	1,940
444	2,127	276	1,037	55-64 YEARS	26	2,512	25	2,430
687	4,148	423	2,958	65-74 YEARS	52	8,935	26	4,167
538	10,650	548	7,969	75-84 YEARS	20	8,772	23	10,222
239	27,893	313	18,631	85+	2	3,704	7	19,444
0		0		UNKNOWN	0		0	
2,647	1,098	1,929	724	TOTAL*	170	1,680	149	1,243
1,261	7,022	1,284	5,233	65+ *	74	8,296	56	6,705
				HAMILTON-MIDDLETOWN, OHIO	TOTAL DEATHS =		6,695	
				HARRISBURG, PA.				
186	1,753	167	1,600	-28 DAYS	60	3,333	26	2,317
240	2,262	181	1,839	-1 YEAR	61	5,083	38	3,387
287	960	213	436	0-4 YEARS	65	1,313	65	961
44	49	42	37	5-14 YEARS	8	103	3	39
63	108	46	58	15-24 YEARS	5	86	3	38
78	130	37	58	25-34 YEARS	13	315	9	170
212	309	176	176	35-44 YEARS	32	767	27	587
538	958	296	498	45-54 YEARS	68	1,504	36	990
1,038	2,509	536	1,198	55-64 YEARS	95	4,069	56	2,250
1,395	5,010	1,045	3,008	65-74 YEARS	95	6,854	60	3,846
1,270	11,286	1,347	7,067	75-84 YEARS	55	10,650	65	7,079
481	24,110	733	19,148	85+	13	17,333	23	15,033
0		0		UNKNOWN	0		1	
5,398	1,107	4,401	740	TOTAL*	429	1,633	306	1,056
3,144	7,438	3,125	5,209	65+ *	163	8,707	128	5,630
				HARRISBURG, PA.	TOTAL DEATHS =		10,534	
				HARTFORD-NEW BRITAIN-BRISTOL, CONN.				
662	1,963	308	1,620	-28 DAYS	64	4,103	58	5,218
548	2,398	305	1,821	-1 YEAR	84	5,985	65	6,193
624	964	449	416	0-4 YEARS	89	1,104	73	969
80	43	46	40	5-14 YEARS	7	58	5	50
122	113	49	41	15-24 YEARS	7	110	7	94
137	107	102	78	25-34 YEARS	24	264	17	210
404	272	242	173	35-44 YEARS	60	564	36	539
985	828	536	650	45-54 YEARS	59	1,638	43	1,089
1,797	2,096	1,019	1,002	55-64 YEARS	63	2,632	47	1,892
2,776	4,775	1,935	2,860	65-74 YEARS	63	5,971	62	4,218
1,977	9,865	2,142	7,735	75-84 YEARS	37	10,109	53	11,111
779	22,232	1,761	19,419	85+	10	12,821	28	25,225
7		8		UNKNOWN	0		0	
9,688	1,077	7,827	712	TOTAL*	390	1,310	371	1,104
5,537	7,170	5,358	5,150	65+ *	110	7,115	143	7,329
				HARTFORD-NEW BRITAIN-BRISTOL, CONN.	TOTAL DEATHS =		18,285	
				HONOLULU, HAWAII				
149	1,909	111	1,577	-28 DAYS	323	2,193	219	1,567
184	2,357	134	1,906	-1 YEAR	396	2,688	277	1,981
194	468	140	434	0-4 YEARS	441	675	322	513
18	30	13	27	5-14 YEARS	52	46	38	35
89	107	19	52	15-24 YEARS	87	117	37	51
51	101	28	48	25-34 YEARS	86	130	61	81
107	232	46	108	35-44 YEARS	177	254	127	185
190	850	115	500	45-54 YEARS	363	638	182	516
320	2,456	142	1,378	55-64 YEARS	483	1,530	256	1,070
296	6,209	216	3,526	65-74 YEARS	578	3,923	318	2,452
207	11,756	205	7,856	75-84 YEARS	408	7,930	306	6,057
50	14,667	101	18,916	85+	211	15,877	132	14,239
0		0		UNKNOWN	0		0	
1,506	1,186	1,063	708	TOTAL*	2,950	880	1,779	660
537	7,682	520	5,648	65+ *	1,287	5,651	756	4,122
				HONOLULU, HAWAII	TOTAL DEATHS =		7,305	
				HOUSTON, TEXAS				
767	1,950	523	1,670	-28 DAYS	360	2,906	285	2,221
865	2,466	581	1,576	-1 YEAR	561	4,132	498	3,569
1,086	587	412	696	0-4 YEARS	660	1,103	529	916
184	59	110	36	5-14 YEARS	39	68	39	67
261	148	117	57	15-24 YEARS	75	164	62	111
337	152	217	96	25-34 YEARS	192	357	114	183
770	354	398	173	35-44 YEARS	306	662	237	468
1,669	974	795	619	45-54 YEARS	568	1,552	509	1,396
2,350	2,240	1,016	849	55-64 YEARS	710	3,482	587	2,552
2,413	5,150	1,591	2,560	65-74 YEARS	671	5,719	485	3,830
1,767	10,159	1,948	7,392	75-84 YEARS	273	7,521	218	6,938
676	22,580	1,017	19,096	85+	81	10,305	80	6,426
1		1		UNKNOWN	0		1	
11,702	1,167	7,961	676	TOTAL*	3,533	1,326	2,861	988
5,036	7,530	4,546	4,812	65+ *	1,029	6,429	783	4,258
				HOUSTON, TEXAS	TOTAL DEATHS =		26,037	
				HUNTINGTON-ASHLAND, W. VA.-KY.-OHIO				
168	2,060	145	1,896	-28 DAYS	7	2,536	4	1,418
220	2,742	213	2,707	-1 YEAR	11	3,086	9	3,191
270	674	246	660	0-4 YEARS	13	1,078	12	962
47	57	28	39	5-14 YEARS	2	89	1	44
65	127	37	47	15-24 YEARS	6	405	1	72
64	156	91	63	25-34 YEARS	7	453	1	76
204	439	110	218	35-44 YEARS	9	785	15	987
407	997	208	478	45-54 YEARS	34	2,608	14	806
690	2,22[illegible]	393	948	55-64 YEARS	34	2,864	33	2,726
982	4,975	652	2,745	65-74 YEARS	52	5,856	30	4,236
629	9,816	456	7,639	75-84 YEARS	28	9,428	24	6,780
388	21,588	437	18,073	85+	18	19,780	12	17,391
[illegible]		1		UNKNOWN	0		0	
4,767	1,155	2,937	726	TOTAL*	203	1,590	152	1,133
2,791	7,195	1,965	6,075	65+ *	98	9,413	74	5,686
				HUNTINGTON-ASHLAND, W. VA.-KY.-OHIO	TOTAL DEATHS =		7,330	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				HUNTSVILLE, ALA.				
89	2,002	45	1,089	-28 DAYS	28	2,201	22	2,185
115	2,587	77	1,863	-1 YEAR	65	3,538	42	4,167
126	656	90	496	0-4 YEARS	51	1,084	43	866
15	49	7	24	5-14 YEARS	5	65	5	62
28	125	15	71	15-24 YEARS	19	247	13	183
46	180	14	59	25-34 YEARS	11	320	13	332
65	313	33	167	35-44 YEARS	30	1,000	36	994
133	983	62	473	45-54 YEARS	52	1,972	45	1,564
157	2,111	83	1,065	55-64 YEARS	69	3,866	74	3,601
200	4,810	135	2,610	65-74 YEARS	71	5,413	93	3,189
170	10,533	167	7,492	75-84 YEARS	35	6,863	30	4,975
61	21,864	79	18,161	85+	8	6,838	6	2,516
0		1		UNKNOWN	0		0	
1,001	1,143	686	692	TOTAL*	367	1,438	316	1,130
431	7,368	381	4,838	65+ *	114	5,766	87	3,651
				HUNTSVILLE, ALA. TOTAL DEATHS = 2,350				
				INDIANAPOLIS, IND.				
454	1,917	307	1,392	-28 DAYS	160	3,063	123	2,359
592	2,490	433	1,964	-1 YEAR	237	4,322	177	3,395
673	624	462	475	0-4 YEARS	260	1,176	201	908
88	51	58	34	5-14 YEARS	22	72	7	22
142	135	53	46	15-24 YEARS	38	225	26	126
164	139	108	88	25-34 YEARS	73	363	32	137
407	338	271	212	35-44 YEARS	137	729	111	518
1,035	1,028	605	463	45-54 YEARS	217	1,439	180	1,072
1,798	2,418	870	1,031	55-64 YEARS	344	3,063	281	2,325
2,310	5,242	1,541	2,666	65-74 YEARS	425	6,138	304	4,052
1,912	11,027	2,221	8,111	75-84 YEARS	234	8,764	189	6,789
497	21,201	1,195	19,234	85+	78	16,049	91	12,963
3		1		UNKNOWN	1		0	
9,224	1,204	7,265	721	TOTAL*	1,829	1,461	1,622	1,027
6,014	7,756	4,917	5,119	65+ *	737	7,929	584	9,318
				INDIANAPOLIS, IND. TOTAL DEATHS = 19,760				
				JACKSON, MICH.				
107	2,286	73	1,664	-28 DAYS	11	5,556	8	3,509
134	2,863	95	2,146	-1 YEAR	15	7,576	9	3,967
168	767	107	487	0-4 YEARS	16	1,330	10	891
23	50	15	40	5-14 YEARS	0	0	1	55
33	140	14	58	15-24 YEARS	2	111	0	0
35	135	13	56	25-34 YEARS	3	72	1	98
80	317	39	143	35-44 YEARS	5	170	2	218
187	880	86	438	45-54 YEARS	4	246	8	1,022
343	2,163	192	1,211	55-64 YEARS	11	1,187	9	1,764
521	5,036	395	2,836	65-74 YEARS	16	4,762	16	6,584
452	10,463	676	7,692	75-84 YEARS	19	8,267	9	6,818
188	23,456	296	17,529	85+	3	9,091	3	16,286
0		0		UNKNOWN	0		0	
2,040	1,168	1,529	719	TOTAL*	70	889	59	1,076
1,171	7,998	1,043	5,020	65+ *	20	6,064	28	7,082
				JACKSON, MICH. TOTAL DEATHS = 3,698				
				JACKSON, MISS.				
87	1,859	43	1,593	-28 DAYS	138	3,050	107	2,566
109	2,301	77	1,908	-1 YEAR	210	4,462	159	3,813
120	611	86	459	0-4 YEARS	262	1,388	185	1,030
12	36	12	37	5-14 YEARS	17	60	15	53
19	88	12	44	15-24 YEARS	36	198	16	82
34	130	18	46	25-34 YEARS	41	385	39	270
78	329	41	146	35-44 YEARS	60	623	66	534
170	944	90	398	45-54 YEARS	126	1,323	109	992
250	2,318	102	773	55-64 YEARS	187	2,890	148	1,948
301	5,153	181	2,184	65-74 YEARS	210	4,402	167	3,394
220	9,487	240	6,396	75-84 YEARS	172	10,330	155	7,700
93	20,395	143	17,816	85+	71	17,794	98	15,935
0		0		UNKNOWN	0		0	
1,306	1,126	965	505	TOTAL*	1,169	1,373	998	1,017
614	7,221	686	4,299	65+ *	453	6,965	620	9,303
				JACKSON, MISS. TOTAL DEATHS = 6,409				
				JACKSONVILLE, FLA.				
298	2,130	190	1,442	-28 DAYS	176	3,365	146	2,807
308	2,857	287	1,991	-1 YEAR	260	4,999	230	4,021
680	719	391	495	0-4 YEARS	313	1,330	273	1,169
79	72	28	27	5-14 YEARS	29	84	26	67
114	168	96	49	15-24 YEARS	54	264	30	132
130	176	76	96	25-34 YEARS	106	594	84	296
293	390	148	196	35-44 YEARS	178	950	167	728
827	1,136	272	483	45-54 YEARS	394	2,105	281	1,509
867	2,517	300	1,078	55-64 YEARS	457	4,134	309	3,237
996	5,075	643	2,693	65-74 YEARS	366	6,700	281	4,829
762	10,781	846	7,736	75-84 YEARS	114	9,780	108	6,385
230	20,666	473	18,193	85+	34	9,231	42	7,687
1		0		UNKNOWN	0		1	
4,350	1,233	3,179	708	TOTAL*	2,009	1,586	1,670	1,139
1,984	7,936	1,990	4,071	65+ *	518	6,758	431	4,187
				JACKSONVILLE, FLA. TOTAL DEATHS = 11,617				
				JERSEY CITY, N.J.				
361	1,930	270	1,693	-28 DAYS	88	3,269	78	2,857
665	2,519	308	2,101	-1 YEAR	121	4,625	96	3,516
514	650	615	593	0-4 YEARS	149	1,414	116	1,130
73	56	36	26	5-14 YEARS	11	83	10	72
90	96	42	49	15-24 YEARS	19	220	10	96
173	159	102	46	25-34 YEARS	39	379	32	285
470	411	336	241	35-44 YEARS	63	829	42	724
1,607	1,266	709	575	45-54 YEARS	98	1,871	75	1,283
2,650	2,810	1,508	1,576	55-64 YEARS	121	3,409	91	2,310
3,957	5,863	2,592	3,549	65-74 YEARS	101	6,768	65	3,617
2,798	11,726	2,375	9,127	75-84 YEARS	62	8,750	61	9,457
560	21,726	923	20,011	85+	18	20,000	25	17,730
4		2		UNKNOWN	0		0	
11,818	1,334	9,272	802	TOTAL*	651	1,567	567	1,183
6,612	8,393	5,890	6,041	65+ *	141	7,719	151	9,011
				JERSEY CITY, N.J. TOTAL DEATHS = 22,788				

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				JOHNSTOWN, PA.				
198	2,212	141	1,670	-28 DAYS	3	1,389	2	1,190
234	2,614	189	2,239	-1 YEAR	4	1,852	3	2,976
272	613	219	507	0-4 YEARS	5	675	7	1,101
49	57	35	42	5-14 YEARS	3	204	4	299
78	153	35	64	15-24 YEARS	0	0	1	120
80	179	49	98	25-34 YEARS	1	190	1	132
208	370	118	196	35-44 YEARS	3	503	5	667
469	949	241	497	45-54 YEARS	11	1,721	7	1,149
802	2,319	680	1,301	55-64 YEARS	16	2,996	8	2,020
1,468	5,198	937	3,232	65-74 YEARS	9	3,158	6	2,532
1,258	10,587	905	7,914	75-84 YEARS	6	9,021	16	16,162
418	21,403	490	19,148	85+	3	16,667	2	16,667
0		0		UNKNOWN	0		0	
5,102	1,186	3,509	784	TOTAL*	57	1,180	57	1,272
3,144	7,615	2,472	5,435	65+ *	18	5,576	24	7,130
				JOHNSTOWN, PA.	TOTAL DEATHS =	8,815		
				KALAMAZOO, MICH.				
109	1,587	72	1,226	-28 DAYS	9	2,830	4	1,307
135	2,143	95	1,617	-1 YEAR	13	4,088	9	2,941
159	515	113	396	0-4 YEARS	14	950	10	678
26	52	21	44	5-14 YEARS	0	0	1	47
35	96	17	42	15-24 YEARS	5	383	3	201
60	129	30	94	25-34 YEARS	5	416	3	213
80	262	46	143	35-44 YEARS	2	193	4	377
203	804	115	443	45-54 YEARS	11	1,368	8	1,084
371	1,967	194	944	55-64 YEARS	10	2,165	11	2,222
562	4,561	376	2,528	65-74 YEARS	14	4,575	7	2,564
483	9,629	408	6,995	75-84 YEARS	11	7,971	10	7,407
185	18,916	391	18,512	85+	1	3,704	4	10,256
0		0		UNKNOWN	0		0	
2,118	1,022	1,711	656	TOTAL*	73	1,088	61	909
1,219	6,785	1,175	4,675	65+ *	26	5,476	21	4,351
				KALAMAZOO, MICH.	TOTAL DEATHS =	3,963		
				KANSAS CITY, MO.-KANS.				
605	1,750	448	1,359	-28 DAYS	202	2,910	165	2,826
797	2,305	598	1,814	-1 YEAR	277	3,990	235	4,025
913	561	697	448	0-4 YEARS	313	1,170	257	958
127	47	87	34	5-14 YEARS	24	68	9	25
232	156	113	83	15-24 YEARS	38	200	20	87
276	146	175	89	25-34 YEARS	79	382	55	216
954	292	371	188	35-44 YEARS	149	703	114	466
1,434	937	698	427	45-54 YEARS	276	1,557	231	1,235
2,438	2,273	1,282	981	55-64 YEARS	422	2,917	388	2,503
3,582	6,894	2,398	2,590	65-74 YEARS	630	6,350	465	4,258
3,078	10,476	3,205	7,271	75-84 YEARS	361	9,278	290	7,160
1,246	21,223	2,173	19,603	85+	113	17,199	119	12,963
8		5		UNKNOWN	7		1	
14,081	1,137	11,144	682	TOTAL*	2,407	1,466	1,429	1,087
7,906	7,372	7,716	4,828	65+ *	1,104	7,778	854	5,558
				KANSAS CITY, MO.-KANS.	TOTAL DEATHS =	29,561		
				KENOSHA, WIS.				
89	2,237	53	1,249	-28 DAYS	0	0	4	4,762
111	2,790	75	1,796	-1 YEAR	3	3,846	6	7,143
124	667	85	479	0-4 YEARS	6	2,400	6	1,802
16	52	14	48	5-14 YEARS	0	0	0	0
36	176	11	59	15-24 YEARS	0	0	0	0
33	177	18	98	25-34 YEARS	0	0	1	321
56	281	30	149	35-44 YEARS	1	397	0	0
109	673	71	431	45-54 YEARS	0	0	0	0
245	1,916	136	1,040	55-64 YEARS	1	1,282	0	0
487	5,027	274	2,829	65-74 YEARS	0	0	0	0
332	10,285	308	8,065	75-84 YEARS	1	16,667	0	0
85	17,476	123	17,373	85+	1	33,333	0	0
1		0		UNKNOWN	0		0	
1,524	1,077	1,070	716	TOTAL*	10	995	7	245
904	7,186	705	5,110	65+ *	2	6,536	0	0
				KENOSHA, WIS.	TOTAL DEATHS =	2,611		
				KNOXVILLE, TENN.				
215	1,880	164	1,459	-28 DAYS	19	1,675	23	2,083
277	2,422	228	2,028	-1 YEAR	31	2,734	44	3,986
309	555	267	511	0-4 YEARS	36	688	50	939
69	66	36	36	5-14 YEARS	8	93	4	45
119	165	42	65	15-24 YEARS	13	248	4	64
117	185	66	89	25-34 YEARS	29	735	18	343
224	323	127	168	35-44 YEARS	50	1,076	24	393
571	990	270	446	45-54 YEARS	88	1,815	64	1,187
794	2,025	379	882	55-64 YEARS	122	3,690	73	1,959
1,002	4,579	753	2,696	65-74 YEARS	133	6,637	115	4,766
888	9,930	984	7,998	75-84 YEARS	73	10,181	69	7,492
360	21,505	448	16,741	85+	26	16,993	35	14,957
0		1		UNKNOWN	0		0	
4,433	1,103	3,379	691	TOTAL*	578	1,653	456	1,088
2,230	7,026	2,185	4,941	65+ *	232	8,210	219	6,086
				KNOXVILLE, TENN.	TOTAL DEATHS =	8,846		
				LAKE CHARLES, LA.				
120	2,200	81	1,661	-28 DAYS	50	2,884	39	2,152
141	2,585	113	2,317	-1 YEAR	70	4,037	64	3,532
169	665	125	510	0-4 YEARS	82	1,089	73	963
20	53	9	24	5-14 YEARS	6	53	5	44
28	96	14	52	15-24 YEARS	16	228	2	28
39	144	24	91	25-34 YEARS	26	445	20	299
82	350	30	134	35-44 YEARS	22	453	27	532
158	933	67	419	45-54 YEARS	42	1,155	31	827
207	2,152	108	1,145	55-64 YEARS	59	2,531	53	2,303
242	5,235	116	2,101	65-74 YEARS	81	5,163	70	4,321
185	10,434	182	7,371	75-84 YEARS	63	10,769	32	5,498
79	24,843	85	15,483	85+	17	12,319	27	19,149
0		0		UNKNOWN	2		0	
1,207	1,177	760	646	TOTAL*	616	1,292	340	1,032
906	7,790	383	4,327	65+ *	161	7,133	129	5,482
				LAKE CHARLES, LA.	TOTAL DEATHS =	2,723		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

ALL CAUSES

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				LANCASTER, PA.				
186	1,898	125	1,386	-28 DAYS	6	4,554	7	5,072
260	2,961	166	1,816	-1 YEAR	7	5,307	10	7,246
296	628	185	607	0-4 YEARS	9	1,087	11	1,187
46	57	73	30	5-14 YEARS	0	0	0	0
68	126	25	43	15-24 YEARS	6	763	0	0
66	128	49	73	25-34 YEARS	2	303	3	375
119	228	88	177	35-44 YEARS	8	1,102	1	133
349	783	177	379	45-54 YEARS	5	963	6	1,418
706	2,058	306	1,090	55-64 YEARS	10	2,381	12	2,707
1,067	4,620	522	2,893	65-74 YEARS	17	6,295	16	6,584
1,070	10,209	1,071	7,033	75-84 YEARS	13	16,464	7	6,863
464	20,910	645	16,972	85+	6	10,048	4	26,667
0		3		UNKNOWN	0		0	
4,215	1,067	3,550	667	TOTAL*	74	1,584	60	1,326
2,967	7,070	2,548	4,892	65+ *	36	9,292	27	7,789
				LANCASTER, PA.	TOTAL DEATHS =		7,879	
				LANSING, MICH.				
201	1,762	186	1,349	-28 DAYS	10	2,319	10	2,252
267	2,961	203	1,806	-1 YEAR	16	3,261	13	2,920
316	976	241	496	0-4 YEARS	15	762	15	762
50	56	56	28	5-14 YEARS	1	35	1	38
76	109	56	48	15-24 YEARS	1	46	0	0
87	124	60	71	25-34 YEARS	3	132	5	248
167	283	119	220	35-44 YEARS	6	411	6	400
374	476	167	379	45-54 YEARS	10	967	11	1,060
638	1,072	378	1,115	55-64 YEARS	23	3,454	8	1,434
979	4,810	690	2,681	65-74 YEARS	12	6,000	16	5,281
921	10,960	889	7,397	75-84 YEARS	8	8,081	1	1,389
372	22,580	505	18,317	85+	2	8,333	5	16,667
0		0		UNKNOWN	3		0	
5,067	1,100	3,029	691	TOTAL*	81	1,040	68	870
2,290	7,413	2,093	4,878	65+ *	22	5,989	22	6,031
				LANSING, MICH.	TOTAL DEATHS =		7,121	
				LAREDO, TEXAS				
100	2,995	68	1,229	-28 DAYS	0	0	0	0
139	3,239	72	1,843	-1 YEAR	0	0	0	0
158	1,079	88	606	0-4 YEARS	0	0	1	1,111
15	63	6	26	5-14 YEARS	0	0	0	0
18	127	10	65	15-24 YEARS	0	0	0	0
17	154	7	55	25-34 YEARS	0	0	0	0
27	292	29	241	35-44 YEARS	0	0	0	0
62	767	47	487	45-54 YEARS	0	0	0	0
139	2,228	82	1,287	55-64 YEARS	1	8,333	1	11,667
167	4,272	136	2,946	65-74 YEARS	1	8,333	0	0
117	8,156	135	7,031	75-84 YEARS	0	0	0	-
50	20,576	46	13,670	85+	0	0	1	- - -
1		0		UNKNOWN	0		0	
766	1,075	690	726	TOTAL*	2	1,235	3	- - -
356	6,475	377	4,677	65+ *	1	5,534	1	- - -
				LAREDO, TEXAS	TOTAL DEATHS =		1,879	
				LAS VEGAS, NEV.				
116	2,487	88	2,023	-28 DAYS	18	2,060	24	2,707
168	3,220	118	2,713	-1 YEAR	30	4,483	34	3,963
168	913	138	685	0-4 YEARS	51	1,401	40	1,199
16	42	22	48	5-14 YEARS	2	51	2	93
64	200	22	100	15-24 YEARS	5	177	5	178
70	270	36	133	25-34 YEARS	5	165	13	406
127	468	80	288	35-44 YEARS	15	655	13	655
256	1,076	120	390	45-54 YEARS	26	1,632	14	1,010
366	2,550	128	1,140	55-64 YEARS	18	1,791	19	2,628
512	4,676	148	2,773	65-74 YEARS	14	3,794	17	4,533
204	11,009	101	5,676	75-84 YEARS	4	10,000	6	10,526
49	17,261	49	17,606	85+	6	22,222	4	26,667
0		0		UNKNOWN	0		0	
1,626	1,250	893	728	TOTAL*	169	1,260	133	1,362
961	7,408	398	4,390	65+ *	27	6,965	27	7,452
				LAS VEGAS, NEV.	TOTAL DEATHS =		2,761	
				LAWTON, OKLA.				
68	1,761	43	1,741	-28 DAYS	19	2,533	7	871
88	2,253	74	2,049	-1 YEAR	27	3,600	16	1,761
99	636	85	576	0-4 YEARS	31	1,130	15	366
13	60	6	19	5-14 YEARS	5	162	2	62
10	43	8	44	15-24 YEARS	1	23	1	61
23	120	13	79	25-34 YEARS	4	144	12	465
41	270	26	187	35-44 YEARS	12	617	3	307
105	1,061	32	398	45-54 YEARS	10	972	18	1,858
100	1,906	39	676	55-64 YEARS	11	2,095	9	1,405
156	4,762	88	2,101	65-74 YEARS	20	6,231	8	2,360
121	8,949	119	6,296	75-84 YEARS	12	8,333	9	5,660
68	23,188	76	18,627	85+	4	12,121	7	16,667
0		0		UNKNOWN	1		0	
756	1,050	601	603	TOTAL*	111	1,219	86	902
357	6,834	284	4,262	65+ *	36	7,169	24	4,086
				LAWTON, OKLA.	TOTAL DEATHS =		1,444	
				LEXINGTON, KY.				
68	1,596	45	1,733	-28 DAYS	27	3,400	24	2,614
87	2,030	78	2,080	-1 YEAR	37	4,111	36	3,922
104	556	88	494	0-4 YEARS	41	1,081	39	1,024
17	36	7	26	5-14 YEARS	1	18	4	72
24	110	8	21	15-24 YEARS	8	227	4	109
19	78	26	88	25-34 YEARS	11	262	13	320
78	336	49	193	35-44 YEARS	29	776	25	626
157	800	70	348	45-54 YEARS	47	1,457	53	1,463
271	2,292	146	1,096	55-64 YEARS	102	3,033	64	2,263
356	4,438	237	2,395	65-74 YEARS	129	6,209	101	4,465
302	9,012	349	7,096	75-84 YEARS	81	10,227	64	7,702
140	25,217	275	18,898	85+	22	15,278	34	16,190
1		0		UNKNOWN	0		1	
1,467	1,063	1,209	665	TOTAL*	471	1,536	404	1,192
798	6,772	876	4,516	65+ *	232	7,406	199	6,029
				LEXINGTON, KY.	TOTAL DEATHS =		3,551	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				LIMA, OHIO				
72	2,076	91	1,471	-28 DAYS	8	2,424	7	1,823
91	2,624	63	1,817	-1 YEAR	15	4,545	11	2,865
107	619	75	457	0-4 YEARS	16	869	14	792
22	72	15	52	5-14 YEARS	2	74	2	77
23	139	17	88	15-24 YEARS	0	0	1	65
28	159	19	105	25-34 YEARS	7	454	2	126
59	305	40	203	35-44 YEARS	6	351	10	756
143	902	73	466	45-54 YEARS	14	1,244	5	565
293	2,410	145	1,121	55-64 YEARS	10	1,339	10	1,984
397	4,789	266	2,621	65-74 YEARS	7	2,310	12	3,922
329	8,952	397	8,116	75-84 YEARS	10	7,937	14	10,149
187	24,160	235	21,942	85+	5	29,810	7	23,333
0		0		UNKNOWN	0		0	
1,588	1,127	1,280	769	TOTAL*	77	946	77	1,092
913	7,041	896	5,242	65+ *	22	5,091	33	6,752
				LIMA, OHIO	TOTAL DEATHS =	3,022		
				LINCOLN, NEBR.				
120	1,807	85	1,430	-28 DAYS	6	3,333	3	1,389
147	2,213	114	1,917	-1 YEAR	10	5,556	5	2,315
168	597	126	475	0-4 YEARS	10	1,323	5	729
20	51	11	29	5-14 YEARS	1	128	0	0
38	94	14	36	15-24 YEARS	0	0	1	163
67	140	23	76	25-34 YEARS	0	0	1	138
75	273	44	145	35-44 YEARS	1	152	5	1,075
158	748	80	345	45-54 YEARS	4	1,067	3	952
302	1,757	161	787	55-64 YEARS	6	3,333	4	1,990
535	4,339	344	2,096	65-74 YEARS	7	4,094	1	606
534	8,978	556	6,548	75-84 YEARS	3	5,556	2	3,922
219	19,317	388	18,636	85+	1	5,556	4	---
1		1		UNKNOWN	0		0	
2,092	894	1,746	598	TOTAL*	33	1,030	26	---
1,286	6,618	1,288	4,270	65+ *	11	4,589	7	---
				LINCOLN, NEBR.	TOTAL DEATHS =	3,897		
				LITTLE ROCK-NORTH LITTLE ROCK, ARK.				
141	2,003	93	1,310	-28 DAYS	82	2,939	71	2,595
172	2,446	122	1,719	-1 YEAR	129	4,626	112	4,096
192	601	137	443	0-4 YEARS	143	1,302	129	1,148
33	62	23	46	5-14 YEARS	19	106	11	63
60	157	28	67	15-24 YEARS	38	371	20	172
75	193	27	66	25-34 YEARS	33	461	19	213
140	366	73	179	35-44 YEARS	63	585	49	526
329	1,022	144	427	45-54 YEARS	98	1,370	98	1,132
498	2,210	196	776	55-64 YEARS	172	2,831	168	2,350
673	4,538	384	2,261	65-74 YEARS	204	4,207	203	3,934
520	9,919	519	6,448	75-84 YEARS	160	7,701	141	7,402
205	18,981	306	16,425	85+	50	11,655	52	9,630
0		0		UNKNOWN	0		0	
2,725	1,103	1,637	606	TOTAL*	1,060	1,404	890	1,079
1,398	6,742	1,209	4,214	65+ *	484	6,994	396	5,224
				LITTLE ROCK-NORTH LITTLE ROCK, ARK.	TOTAL DEATHS =	6,492		
				LORAIN-ELYRIA, OHIO				
142	1,781	125	1,688	-28 DAYS	17	2,306	17	2,833
188	2,358	162	2,188	-1 YEAR	22	2,981	22	3,667
221	961	184	464	0-4 YEARS	29	929	25	799
34	50	19	29	5-14 YEARS	5	114	3	67
67	128	12	20	15-24 YEARS	3	138	2	76
62	100	58	90	25-34 YEARS	7	259	2	76
130	291	77	177	35-44 YEARS	10	396	14	602
294	893	195	502	45-54 YEARS	17	1,001	13	861
638	2,080	256	1,123	55-64 YEARS	36	3,125	28	2,846
717	5,017	443	2,037	65-74 YEARS	31	5,199	27	6,523
618	10,630	505	8,379	75-84 YEARS	20	8,439	19	9,068
192	20,189	277	18,728	85+	10	20,833	11	16,667
0		1		UNKNOWN	0		0	
2,733	1,110	2,085	746	TOTAL*	169	1,262	146	1,169
1,527	7,430	1,395	5,346	65+ *	61	6,079	57	6,470
				LORAIN-ELYRIA, OHIO	TOTAL DEATHS =	5,100		
				LOS ANGELES-LONG BEACH, CALIF.				
4,011	1,922	2,838	1,428	-28 DAYS	735	2,414	578	1,977
5,317	2,968	3,744	1,896	-1 YEAR	996	3,264	795	2,719
6,059	603	4,384	450	0-4 YEARS	1,125	891	903	720
701	40	498	27	5-14 YEARS	87	40	66	37
1,344	121	619	53	15-24 YEARS	156	139	90	72
1,014	152	1,106	89	25-34 YEARS	321	217	231	169
4,276	316	2,767	198	35-44 YEARS	668	486	462	360
9,863	917	5,608	489	45-54 YEARS	831	1,062	625	719
16,657	2,185	8,697	1,012	55-64 YEARS	1,125	2,116	815	1,487
22,712	4,731	16,646	2,537	65-74 YEARS	1,129	4,367	953	3,098
18,421	9,826	20,901	6,914	75-84 YEARS	826	8,020	665	6,036
6,967	20,991	12,343	18,712	85+	267	14,835	285	13,032
5		2		UNKNOWN	0		0	
88,601	1,101	73,097	676	TOTAL*	6,594	1,076	5,075	788
67,080	7,069	49,790	4,669	65+ *	2,201	5,976	1,883	6,477
				LOS ANGELES-LONG BEACH, CALIF.	TOTAL DEATHS =	173,327		
				LOUISVILLE, KY.-IND.				
478	1,887	347	1,681	-28 DAYS	127	3,457	86	2,267
596	2,370	435	1,849	-1 YEAR	169	4,101	126	3,292
690	585	511	448	0-4 YEARS	196	1,094	143	824
109	55	46	33	5-14 YEARS	20	75	10	37
154	137	42	40	15-24 YEARS	31	266	18	116
199	159	187	79	25-34 YEARS	53	394	37	219
491	378	286	198	35-44 YEARS	126	867	100	571
1,104	1,079	497	496	45-54 YEARS	261	1,929	181	1,296
1,739	2,337	920	1,107	55-64 YEARS	422	3,821	331	2,850
2,313	5,420	1,767	2,076	65-74 YEARS	477	7,076	362	4,736
1,991	10,531	2,259	7,866	75-84 YEARS	230	9,689	250	8,456
769	21,950	1,209	19,374	85+	83	16,085	115	16,312
[illegible]		3		UNKNOWN	1		0	
9,426	1,198	7,720	796	TOTAL*	1,898	1,469	1,565	1,211
6,037	7,466	5,306	5,296	65+ *	700	8,257	335	6,626
				LOUISVILLE, KY.-IND.	TOTAL DEATHS =	20,416		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				LUBBOCK, TEXAS				
190	2,863	99	1,561	-28 DAYS	33	4,825	23	3,249
284	4,280	166	2,617	-1 YEAR	65	9,503	45	6,356
316	1,078	194	673	0-4 YEARS	72	2,180	52	1,440
22	48	24	55	5-14 YEARS	6	134	9	192
56	139	20	50	15-24 YEARS	9	343	4	146
60	184	27	89	25-34 YEARS	19	757	7	266
84	327	42	166	35-44 YEARS	13	601	15	668
158	770	68	328	45-54 YEARS	30	1,832	15	926
285	2,243	106	800	55-64 YEARS	23	4,359	24	3,077
280	4,170	149	1,807	65-74 YEARS	25	5,081	11	3,395
268	10,522	238	6,445	75-84 YEARS	9	7,407	6	5,128
88	17,996	116	16,524	85+	5	11,111	2	6,061
0		0		UNKNOWN	0		0	
1,619	1,121	984	597	TOTAL*	210	1,471	145	1,086
636	6,724	503	3,930	65+ *	38	6,071	19	4,030
				LUBBOCK, TEXAS		TOTAL DEATHS =	2,958	
				LYNCHBURG, VA.				
48	1,660	34	1,248	-28 DAYS	60	4,193	27	2,446
58	2,006	41	1,505	-1 YEAR	60	6,289	41	3,714
64	460	48	375	0-4 YEARS	73	1,401	47	1,050
19	61	8	34	5-14 YEARS	2	24	3	36
38	228	7	31	15-24 YEARS	14	267	8	144
26	145	22	121	25-34 YEARS	18	476	9	214
70	410	31	170	35-44 YEARS	32	837	27	627
143	965	70	447	45-54 YEARS	61	1,767	43	1,182
207	2,133	98	817	55-64 YEARS	85	3,808	83	2,075
325	5,036	216	2,465	65-74 YEARS	109	5,917	97	4,646
286	10,016	319	7,436	75-84 YEARS	53	7,615	57	6,909
110	20,599	176	17,409	85+	24	15,686	21	10,145
0		0		UNKNOWN	1		0	
1,284	1,139	995	647	TOTAL*	472	1,566	395	1,166
721	7,303	711	4,694	65+ *	186	6,941	175	5,588
				LYNCHBURG, VA.		TOTAL DEATHS =	3,146	
				MACON, GA.				
97	2,034	64	1,459	-28 DAYS	80	2,716	68	2,401
125	2,621	83	1,892	-1 YEAR	128	4,345	129	4,555
137	601	96	442	0-4 YEARS	154	1,290	147	1,213
11	28	18	48	5-14 YEARS	16	77	15	72
34	139	13	44	15-24 YEARS	37	320	12	92
48	174	19	68	25-34 YEARS	38	428	30	266
125	451	52	187	35-44 YEARS	92	1,073	57	926
213	1,102	82	414	45-54 YEARS	160	2,150	115	1,268
298	2,622	144	1,072	55-64 YEARS	197	4,284	209	3,285
344	5,590	232	2,600	65-74 YEARS	198	6,358	196	4,463
244	9,955	315	7,726	75-84 YEARS	80	8,056	92	5,486
75	26,042	141	18,876	85+	31	18,452	29	7,436
0		0		UNKNOWN	0		0	
1,529	1,264	1,112	696	TOTAL*	1,003	1,714	902	1,153
663	7,965	698	4,948	65+ *	309	7,512	317	6,916
				MACON, GA.		TOTAL DEATHS =	4,546	
				MADISON, WIS.				
159	1,644	122	1,355	-28 DAYS	2	1,190	1	694
210	2,171	159	1,745	-1 YEAR	2	1,190	2	1,389
243	573	181	452	0-4 YEARS	2	327	2	317
28	44	16	27	5-14 YEARS	0	0	1	170
52	92	25	42	15-24 YEARS	1	109	0	0
56	120	25	57	25-34 YEARS	1	70	0	0
100	255	66	168	35-44 YEARS	1	182	0	0
238	772	115	356	45-54 YEARS	3	1,220	0	0
452	1,909	232	886	55-64 YEARS	4	2,614	1	926
669	4,038	456	2,341	65-74 YEARS	3	5,463	2	3,030
400	9,315	632	6,776	75-84 YEARS	5	15,152	1	2,778
275	21,619	394	18,215	85+	2	22,222	1	11,111
0		0		UNKNOWN	0		0	
2,693	990	2,140	623	TOTAL*	22	1,281	6	465
1,524	6,501	1,480	4,473	65+ *	10	8,982	4	3,413
				MADISON, WIS.		TOTAL DEATHS =	4,863	
				MANCHESTER, N.H.				
130	2,087	92	1,456	-28 DAYS	0	0	0	0
178	2,858	122	1,931	-1 YEAR	0	0	0	0
202	692	145	505	0-4 YEARS	0	0	0	0
27	51	21	41	5-14 YEARS	0	0	0	0
49	163	15	46	15-24 YEARS	0	0	0	0
42	137	29	[illegible]	25-34 YEARS	1	877	0	0
117	331	56	148	35-44 YEARS	0	0	0	0
301	1,014	153	471	45-54 YEARS	0	0	0	0
600	2,543	295	1,046	55-64 YEARS	0	0	0	0
903	5,646	646	2,971	65-74 YEARS	1	---	0	0
785	12,360	786	8,129	75-84 YEARS	3	---	0	0
258	22,108	461	19,854	85+	0	0	0	-
2		1		UNKNOWN	0		0	
3,286	1,264	2,606	742	TOTAL*	5	---	0	-
1,946	8,181	1,891	5,361	65+ *	4	---	0	-
				MANCHESTER, N.H.		TOTAL DEATHS =	5,897	
				MEMPHIS, TENN.				
327	2,333	226	1,749	-28 DAYS	332	2,929	277	2,366
382	2,725	279	2,160	-1 YEAR	510	4,500	405	3,460
420	619	316	486	0-4 YEARS	570	1,100	456	862
59	51	39	34	5-14 YEARS	54	66	39	47
82	90	41	47	15-24 YEARS	71	172	67	97
131	153	43	68	25-34 YEARS	93	273	121	269
271	323	141	181	35-44 YEARS	206	606	242	582
599	963	276	410	45-54 YEARS	495	1,543	472	1,272
977	2,369	496	1,028	55-64 YEARS	766	3,135	708	2,627
1,196	4,980	883	2,594	65-74 YEARS	966	5,856	839	4,658
980	10,953	1,098	6,981	75-84 YEARS	471	7,834	473	7,157
332	22,222	691	18,468	85+	145	10,417	146	7,926
1		0		UNKNOWN	0		0	
5,043	1,172	3,774	667	TOTAL*	3,837	1,341	3,543	1,118
2,508	7,591	2,602	4,685	65+ *	1,582	6,665	1,458	5,541
				MEMPHIS, TENN.		TOTAL DEATHS =	16,397	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				MIAMI, FLA.				
450	2,050	335	1,608	-28 DAYS	234	3,047	189	2,354
565	2,535	421	2,020	-1 YEAR	319	4,154	273	3,401
654	600	485	469	0-4 YEARS	377	1,111	309	917
119	59	53	27	5-14 YEARS	41	93	25	55
183	144	90	66	15-24 YEARS	65	220	36	112
243	167	146	91	25-34 YEARS	134	405	112	312
589	334	413	218	35-44 YEARS	215	782	172	598
1,506	990	771	475	45-54 YEARS	343	1,737	244	1,233
2,720	2,240	1,307	959	55-64 YEARS	351	3,213	258	2,442
4,039	4,267	2,140	2,145	65-74 YEARS	219	5,059	153	3,206
2,434	8,424	2,141	6,373	75-84 YEARS	62	5,245	44	3,419
798	18,396	1,011	17,765	85+	17	7,763	16	5,333
1		1		UNKNOWN	2		0	
13,486	1,046	8,558	634	TOTAL*	1,826	1,294	1,369	915
7,471	6,210	5,292	4,204	65+ *	738	5,263	213	3,385
				MIAMI, FLA.	TOTAL DEATHS =		25,239	
				MIDLAND, TEXAS				
67	1,929	35	1,423	-28 DAYS	6	1,923	4	1,852
60	2,463	48	1,951	-1 YEAR	13	4,167	9	4,167
71	530	66	498	0-4 YEARS	13	916	14	917
10	44	7	33	5-14 YEARS	1	45	1	45
21	219	6	32	15-24 YEARS	6	477	2	134
26	160	8	46	25-34 YEARS	8	590	4	246
36	251	19	143	35-44 YEARS	11	890	6	469
67	761	22	257	45-54 YEARS	9	1,034	5	522
86	1,813	41	969	55-64 YEARS	11	2,144	10	2,398
71	4,490	27	1,374	65-74 YEARS	5	2,222	3	1,639
68	10,667	67	5,739	75-84 YEARS	3	7,143	5	8,772
27	18,367	25	12,077	85+	1	16,667	2	16,667
0		0		UNKNOWN	0		0	
463	1,045	266	499	TOTAL*	68	1,083	52	907
146	7,003	99	3,196	65+ *	9	4,410	10	4,478
				MIDLAND, TEXAS	TOTAL DEATHS =		,849	
				MILWAUKEE, WIS.				
778	1,781	619	1,509	-28 DAYS	133	3,131	106	2,423
1,021	2,337	812	1,979	-1 YEAR	176	4,096	146	3,338
1,162	585	909	475	0-4 YEARS	199	1,033	163	854
153	68	100	33	5-14 YEARS	16	66	17	70
242	121	109	49	15-24 YEARS	17	139	14	94
280	125	146	65	25-34 YEARS	41	251	32	175
454	295	415	180	35-44 YEARS	61	487	58	488
1,757	890	964	465	45-54 YEARS	105	1,383	58	847
3,419	2,150	1,709	1,096	55-64 YEARS	113	2,559	76	1,946
5,067	5,128	3,416	2,983	65-74 YEARS	111	5,481	79	4,134
3,650	10,759	3,835	8,010	75-84 YEARS	58	9,524	43	6,698
1,228	21,995	1,934	19,648	85+	8	9,797	17	18,889
0		1		UNKNOWN	0		0	
17,621	1,142	13,628	739	TOTAL*	729	1,239	557	1,001
9,954	7,650	9,185	5,325	65+ *	177	6,630	139	5,679
				MILWAUKEE, WIS.	TOTAL DEATHS =		32,535	
				MINNEAPOLIS-ST. PAUL, MINN.				
1,168	1,888	794	1,380	-28 DAYS	39	2,731	25	1,613
1,520	2,457	1,041	1,810	-1 YEAR	49	3,431	43	2,890
1,714	607	1,213	444	0-4 YEARS	57	869	47	756
236	54	135	32	5-14 YEARS	3	34	4	65
329	123	136	42	15-24 YEARS	9	195	3	55
377	133	201	69	25-34 YEARS	10	154	12	180
763	281	429	151	35-44 YEARS	41	703	25	485
1,893	864	1,035	439	45-54 YEARS	42	1,069	24	712
3,652	2,108	1,998	1,004	55-64 YEARS	78	3,140	42	1,739
5,716	4,676	3,822	2,561	65-74 YEARS	102	5,686	67	4,159
4,606	10,308	4,501	7,195	75-84 YEARS	69	10,698	44	5,820
1,662	20,450	2,757	18,395	85+	16	19,686	26	22,222
13		8		UNKNOWN	0		0	
20,961	1,091	16,323	667	TOTAL*	427	1,344	294	963
11,984	7,137	11,170	4,746	65+ *	187	7,649	137	5,637
				MINNEAPOLIS-ST. PAUL, MINN.	TOTAL DEATHS =		38,005	
				MOBILE, ALA.				
141	1,658	116	1,478	-28 DAYS	140	2,682	102	1,925
178	2,094	146	1,988	-1 YEAR	212	4,061	173	3,262
199	489	182	487	0-4 YEARS	246	1,028	207	860
43	62	31	46	5-14 YEARS	31	83	20	52
59	130	30	64	15-24 YEARS	67	233	24	105
87	198	52	112	25-34 YEARS	86	529	55	265
184	416	87	189	35-44 YEARS	125	737	138	697
330	941	158	453	45-54 YEARS	225	1,592	190	1,234
545	2,553	247	1,108	55-64 YEARS	309	3,589	280	2,834
596	5,464	368	2,606	65-74 YEARS	303	6,320	252	4,060
468	10,856	548	8,592	75-84 YEARS	139	8,333	150	6,553
155	22,461	272	18,811	85+	43	13,396	65	10,569
1		0		UNKNOWN	2		2	
2,667	1,217	1,975	738	TOTAL*	1,556	1,496	1,383	1,108
1,219	7,905	1,188	5,190	65+ *	485	7,281	467	5,110
				MOBILE, ALA.	TOTAL DEATHS =		7,581	
				MONROE, LA.				
30	1,474	30	1,235	-28 DAYS	57	3,598	42	2,448
57	2,154	38	1,564	-1 YEAR	87	5,492	58	3,380
65	525	63	358	0-4 YEARS	102	1,291	70	951
9	41	12	59	5-14 YEARS	10	80	10	79
17	115	9	56	15-24 YEARS	21	368	11	159
26	192	6	40	25-34 YEARS	15	372	11	178
42	318	29	211	35-44 YEARS	23	550	34	588
109	995	48	415	45-54 YEARS	50	1,139	69	1,319
194	2,505	83	991	55-64 YEARS	102	3,083	82	2,095
194	4,243	135	2,499	65-74 YEARS	160	6,658	92	3,211
200	10,582	182	7,394	75-84 YEARS	110	10,387	71	7,129
60	17,241	78	15,951	85+	34	13,655	44	14,103
[illegible]		0		UNKNOWN	0		0	
[illegible]	1,104	625	653	TOTAL*	627	1,475	494	1,033
454	6,746	305	4,612	65+ *	306	8,094	207	4,918
				MONROE, LA.	TOTAL DEATHS =		2,662	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

AGE	MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
MONTGOMERY, ALA.								
-28 DAYS	79	2,368	50	1,543	92	3,136	55	1,723
-1 YEAR	100	2,998	63	1,944	172	5,862	117	3,665
0-4 YEARS	113	585	76	413	203	1,491	149	1,039
5-14 YEARS	12	30	18	39	9	39	13	57
15-24 YEARS	20	92	10	45	28	190	25	151
25-34 YEARS	41	168	22	94	44	464	35	285
35-44 YEARS	62	263	50	217	79	868	71	631
45-54 YEARS	172	1,056	81	473	141	1,634	133	1,275
55-64 YEARS	275	2,816	115	940	209	3,914	224	3,083
65-74 YEARS	290	4,996	189	2,371	265	6,274	268	4,516
75-84 YEARS	224	10,932	281	7,123	122	8,085	163	6,886
85+	83	22,865	145	16,496	65	15,957	63	10,825
UNKNOWN	1		2		2		3	
TOTAL*	1,293	1,219	959	656	1,167	1,576	1,147	1,195
65+ *	597	7,660	615	4,493	432	7,324	494	5,533
MONTGOMERY, ALA. TOTAL DEATHS = 4,576								
MUNCIE, IND.								
-28 DAYS	78	2,093	56	1,475	10	3,623	5	1,984
-1 YEAR	96	2,576	74	2,022	14	5,072	7	2,778
0-4 YEARS	100	398	80	314	14	1,181	7	665
5-14 YEARS	27	85	14	46	2	92	1	48
15-24 YEARS	25	108	11	42	9	877	2	156
25-34 YEARS	30	146	33	155	2	219	6	539
35-44 YEARS	68	349	61	198	7	690	7	592
45-54 YEARS	177	1,036	83	493	20	2,026	11	1,051
55-64 YEARS	266	2,194	142	1,136	16	2,339	12	1,852
65-74 YEARS	398	5,296	278	2,441	22	5,128	15	3,623
75-84 YEARS	342	9,484	356	7,249	13	8,844	9	6,667
85+	162	24,107	170	16,521	6	14,286	4	12,121
UNKNOWN	1		2		0		0	
TOTAL*	1,605	1,168	1,170	696	111	1,442	76	990
65+ *	902	7,524	754	4,577	41	6,682	28	4,952
MUNCIE, IND. TOTAL DEATHS = 2,960								
MUSKEGON-MUSKEGON HEIGHTS, MICH.								
-28 DAYS	112	2,005	72	1,391	19	2,363	18	2,586
-1 YEAR	148	2,640	105	1,971	29	3,607	31	4,454
0-4 YEARS	164	609	117	451	35	1,064	36	1,065
5-14 YEARS	20	43	16	31	5	96	3	56
15-24 YEARS	45	177	17	60	1	44	4	156
25-34 YEARS	33	137	20	79	6	284	10	370
35-44 YEARS	73	276	65	172	13	496	15	542
45-54 YEARS	195	862	80	413	28	1,324	19	1,129
55-64 YEARS	361	2,171	170	1,050	35	3,134	14	1,697
65-74 YEARS	548	5,370	373	2,873	24	4,594	14	3,357
75-84 YEARS	443	12,045	362	7,518	12	8,333	9	6,250
85+	135	17,028	206	19,825	6	22,222	4	13,333
UNKNOWN	0		0		0		0	
TOTAL*	2,017	1,177	1,346	710	165	1,346	128	985
65+ *	1,126	7,968	889	5,124	42	7,294	27	4,727
MUSKEGON-MUSKEGON HEIGHTS, MICH. TOTAL DEATHS = 3,676								
NASHVILLE, TENN.								
-28 DAYS	238	2,055	149	1,332	97	3,045	66	2,018
-1 YEAR	296	2,556	195	1,743	150	4,708	117	3,578
0-4 YEARS	341	631	230	437	176	1,221	141	967
5-14 YEARS	47	51	32	36	11	50	7	32
15-24 YEARS	105	156	39	52	26	159	20	104
25-34 YEARS	102	150	69	69	58	422	39	268
35-44 YEARS	220	341	120	175	132	1,006	116	753
45-54 YEARS	494	923	244	437	228	1,872	188	1,313
55-64 YEARS	832	2,305	305	917	308	3,607	302	2,872
65-74 YEARS	984	4,736	729	2,516	[illegible]	6,663	319	4,900
75-84 YEARS	845	9,039	1,073	7,248	160	8,263	201	7,622
85+	347	20,328	609	18,641	76	[illegible]	63	11,053
UNKNOWN	2		2		1		0	
TOTAL*	4,319	1,131	3,472	686	1,968	1,591	1,396	1,216
65+ *	2,176	7,067	2,341	4,750	608	7,443	583	6,007
NASHVILLE, TENN. TOTAL DEATHS = 10,735								
NEWARK, N.J.								
-28 DAYS	832	1,930	672	1,474	437	3,858	340	3,120
-1 YEAR	1,063	2,466	789	1,849	598	5,479	454	4,167
0-4 YEARS	1,201	566	910	441	674	1,435	527	1,129
5-14 YEARS	143	37	98	26	61	63	34	50
15-24 YEARS	241	105	110	43	77	189	58	112
25-34 YEARS	290	110	205	73	200	375	175	281
35-44 YEARS	932	292	659	189	370	789	263	505
45-54 YEARS	2,631	893	1,477	478	563	1,726	375	1,025
55-64 YEARS	5,088	2,267	2,818	1,187	711	3,240	526	2,164
65-74 YEARS	7,022	5,210	5,268	3,147	575	5,578	511	4,182
75-84 YEARS	5,081	10,810	5,874	8,202	281	9,103	336	7,783
85+	1,727	22,304	3,126	20,306	94	17,029	149	15,189
UNKNOWN	16		2		5		1	
TOTAL*	24,372	1,192	20,547	763	3,591	1,498	2,955	1,097
65+ *	13,830	7,738	14,268	5,526	950	7,207	996	5,807
NEWARK, N.J. TOTAL DEATHS = 51,665								
NEW HAVEN-WATERBURY, CONN.								
-28 DAYS	381	1,832	280	1,407	73	3,767	54	3,082
-1 YEAR	468	2,250	362	1,896	94	4,850	67	3,824
0-4 YEARS	536	537	406	419	110	1,237	79	925
5-14 YEARS	76	44	46	33	7	61	3	27
15-24 YEARS	105	97	40	39	16	226	8	95
25-34 YEARS	129	113	102	85	24	290	16	151
35-44 YEARS	370	277	256	175	67	717	31	639
45-54 YEARS	988	873	519	479	65	1,085	31	676
55-64 YEARS	1,846	2,248	1,002	1,189	81	2,087	69	2,413
65-74 YEARS	3,011	5,029	2,100	3,070	97	4,736	74	4,790
75-84 YEARS	2,375	10,834	2,437	8,145	53	10,153	40	6,768
85+	822	20,448	1,308	18,998	19	10,383	23	15,033
UNKNOWN	3		4		4		1	
TOTAL*	10,270	1,123	8,316	761	503	1,428	373	1,034
65+ *	6,208	7,518	5,845	5,390	169	7,897	137	5,918
NEW HAVEN-WATERBURY, CONN. TOTAL DEATHS = 19,460								

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				NEW ORLEANS, LA.				
432	1,956	294	1,608	-28 DAYS	464	3,291	383	2,883
520	2,352	348	1,742	-1 YEAR	688	4,879	573	4,313
604	596	432	441	0-4 YEARS	781	1,259	637	1,055
85	40	41	30	5-14 YEARS	61	65	45	48
142	134	46	55	15-24 YEARS	123	242	57	96
202	167	100	79	25-34 YEARS	191	429	131	236
474	372	240	190	35-44 YEARS	332	750	287	553
1,294	1,232	521	463	45-54 YEARS	629	1,648	590	1,352
2,160	2,793	1,061	1,232	55-64 YEARS	1,018	3,656	916	2,984
2,439	6,043	1,738	3,096	65-74 YEARS	1,062	6,867	955	4,959
1,600	11,899	2,086	8,566	75-84 YEARS	411	8,931	486	6,493
454	20,874	1,012	19,878	85+	125	14,421	173	10,799
11		6		UNKNOWN	6		4	
9,474	1,336	7,371	772	TOTAL*	4,739	1,573	4,279	1,188
4,493	8,914	4,836	5,563	65+ *	1,598	7,844	1,614	5,716
				NEW ORLEANS, LA.	TOTAL DEATHS =	25,813		
				NEWPORT NEWS-HAMPTON, VA.				
150	2,372	99	1,476	-28 DAYS	94	3,376	68	2,366
189	2,820	127	1,893	-1 YEAR	161	5,065	105	3,653
220	709	146	478	0-4 YEARS	162	1,240	113	866
22	46	10	22	5-14 YEARS	11	54	7	34
68	102	11	31	15-24 YEARS	35	243	19	123
68	122	28	78	25-34 YEARS	67	374	41	305
108	282	59	163	35-44 YEARS	92	704	78	573
247	1,003	87	392	45-54 YEARS	161	1,728	113	1,312
338	2,361	153	1,185	55-64 YEARS	209	3,461	171	3,073
422	5,611	279	2,781	65-74 YEARS	225	5,962	151	4,652
244	9,660	256	7,300	75-84 YEARS	102	9,827	87	6,856
94	19,462	157	19,383	85+	28	14,141	33	15,278
0		0		UNKNOWN	3		2	
1,788	1,170	1,134	699	TOTAL*	1,075	1,517	815	1,196
760	7,521	642	4,977	65+ *	355	7,902	271	5,865
				NEWPORT NEWS-HAMPTON, VA.	TOTAL DEATHS =	4,812		
				NEW YORK, N.Y.				
4,991	1,805	3,640	1,384	-28 DAYS	2,104	3,604	1,592	2,684
6,557	2,371	4,803	1,826	-1 YEAR	2,798	4,793	2,204	3,716
7,562	578	5,579	442	0-4 YEARS	3,128	1,334	2,460	1,042
1,045	44	703	31	5-14 YEARS	263	75	175	49
1,705	100	795	46	15-24 YEARS	537	238	323	111
2,448	137	1,666	88	25-34 YEARS	1,365	477	974	271
5,913	311	4,206	200	35-44 YEARS	2,423	870	1,849	564
17,655	956	10,603	521	45-54 YEARS	3,386	1,689	2,445	1,019
36,178	2,334	20,405	1,208	55-64 YEARS	4,013	2,980	2,564	1,972
49,896	5,147	36,183	3,206	65-74 YEARS	3,441	5,621	2,800	3,799
33,861	10,927	36,585	8,817	75-84 YEARS	1,598	9,181	1,864	7,555
10,025	22,264	16,986	21,293	85+	416	15,322	747	15,109
22		10		UNKNOWN	9		3	
165,290	1,173	133,717	799	TOTAL*	20,559	1,489	16,604	1,044
92,762	7,725	89,752	5,786	65+ *	5,455	7,162	5,411	5,485
				NEW YORK, N.Y.	TOTAL DEATHS =	336,170		
				NORFOLK-PORTSMOUTH, VA.				
371	2,172	276	1,673	-28 DAYS	240	3,317	205	2,881
491	2,874	358	2,170	-1 YEAR	358	4,947	304	4,272
549	692	601	526	0-4 YEARS	403	1,208	338	999
66	54	41	35	5-14 YEARS	62	81	17	32
92	56	36	41	15-24 YEARS	65	141	25	21
116	117	68	74	25-34 YEARS	90	318	82	295
307	336	168	191	35-44 YEARS	251	800	217	658
639	1,113	295	511	45-54 YEARS	411	1,872	325	1,381
1,013	2,729	467	1,166	55-64 YEARS	649	4,625	500	3,266
1,140	5,739	770	2,944	65-74 YEARS	579	7,083	486	5,171
743	11,371	921	8,418	75-84 YEARS	221	8,185	232	7,330
234	20,155	434	18,595	85+	64	12,403	65	9,687
2		4		UNKNOWN	2		2	
4,910	1,271	3,605	761	TOTAL*	2,757	1,645	2,292	1,248
2,126	8,124	2,175	5,394	65+ *	864	7,690	786	6,028
				NORFOLK-PORTSMOUTH, VA.	TOTAL DEATHS =	13,564		
				ODESSA, TEXAS				
70	1,964	55	1,583	-28 DAYS	6	2,381	0	0
92	2,449	72	2,073	-1 YEAR	9	3,571	10	4,274
107	584	81	453	0-4 YEARS	10	805	12	993
16	52	12	40	5-14 YEARS	2	123	1	61
20	125	10	52	15-24 YEARS	3	317	0	0
57	255	28	126	25-34 YEARS	6	428	8	597
72	377	32	179	35-44 YEARS	7	672	4	416
111	799	50	410	45-54 YEARS	11	1,789	2	306
132	1,924	46	815	55-64 YEARS	6	1,980	3	1,250
98	4,373	50	2,173	65-74 YEARS	7	4,861	3	2,857
69	12,234	56	6,102	75-84 YEARS	4	10,048	0	0
21	18,421	22	12,222	85+	1	- - -	1	11,111
0		0		UNKNOWN	0		0	
703	1,114	385	578	TOTAL*	57	- - -	34	632
188	7,361	126	3,836	65+ *	12	- - -	4	2,521
				ODESSA, TEXAS	TOTAL DEATHS =	1,179		
				OGDEN, UTAH				
69	1,476	75	1,667	-28 DAYS	2	1,111	1	1,062
104	2,225	84	1,867	-1 YEAR	4	2,222	2	2,083
121	531	97	443	0-4 YEARS	4	612	3	524
19	48	18	48	5-14 YEARS	2	183	2	191
39	180	20	84	15-24 YEARS	4	670	0	0
25	126	21	106	25-34 YEARS	0	0	1	168
64	315	34	168	35-44 YEARS	1	116	3	429
152	949	57	362	45-54 YEARS	9	2,239	2	601
195	1,777	99	865	55-64 YEARS	13	5,159	3	1,429
327	4,542	176	2,221	65-74 YEARS	9	4,688	5	3,546
264	9,597	240	6,957	75-84 YEARS	14	14,583	1	2,381
103	21,193	124	19,225	85+	1	5,556	0	-
0		0		UNKNOWN	0		0	
1,309	1,051	886	641	TOTAL*	57	1,608	20	-
694	6,890	540	4,500	65+ *	24	7,905	6	-
				OGDEN, UTAH	TOTAL DEATHS =	2,272		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES

NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				OKLAHOMA CITY, OKLA.				
337	1,962	282	1,582	-28 DAYS	79	2,913	76	2,712
432	2,916	314	1,971	-1 YEAR	126	4,572	102	3,640
502	632	366	483	0-4 YEARS	141	1,193	119	998
77	57	43	33	5-14 YEARS	15	88	10	60
128	130	66	64	15-24 YEARS	17	186	13	121
163	170	79	80	25-34 YEARS	40	489	26	247
301	326	199	211	35-44 YEARS	47	591	52	580
722	958	324	400	45-54 YEARS	93	1,389	72	982
1,197	2,164	557	911	55-64 YEARS	115	2,601	107	2,218
1,494	4,518	910	2,209	65-74 YEARS	126	4,918	92	3,228
1,230	9,500	1,200	6,383	75-84 YEARS	90	8,696	90	7,634
532	20,336	769	17,285	85+	34	12,186	32	15,459
7		0		UNKNOWN	0		3	
6,353	1,091	4,513	623	TOTAL*	718	1,293	616	1,031
3,256	6,800	2,879	4,223	65+ *	250	6,383	214	5,147
				OKLAHOMA CITY, OKLA.		TOTAL DEATHS =	12,200	
				OMAHA, NEBR.-IOWA				
394	2,168	280	1,643	-28 DAYS	55	3,118	34	1,961
505	2,770	345	2,025	-1 YEAR	70	3,968	45	2,568
560	589	382	484	0-4 YEARS	82	1,198	54	786
68	53	44	35	5-14 YEARS	7	75	8	88
101	126	45	50	15-24 YEARS	9	160	7	128
113	130	71	81	25-34 YEARS	26	449	18	283
236	284	181	178	35-44 YEARS	38	850	25	503
624	964	315	452	45-54 YEARS	66	1,900	48	1,299
1,217	2,322	574	1,003	55-64 YEARS	100	3,745	60	2,172
1,888	5,207	1,092	2,553	65-74 YEARS	116	6,089	81	4,419
1,429	10,506	1,377	7,554	75-84 YEARS	78	11,017	60	7,067
540	21,845	870	20,153	85+	32	24,806	34	15,525
0		1		UNKNOWN	0		0	
6,776	1,173	4,922	698	TOTAL*	554	1,672	395	1,098
3,857	7,623	3,339	4,940	65+ *	226	8,518	175	5,783
				OMAHA, NEBR.-IOWA		TOTAL DEATHS =	12,647	
				ORLANDO, FLA.				
191	1,933	134	1,346	-28 DAYS	62	2,180	44	1,601
247	2,499	165	1,658	-1 YEAR	124	4,360	90	3,275
290	618	202	441	0-4 YEARS	149	1,235	110	919
52	66	19	25	5-14 YEARS	19	109	8	45
94	184	25	47	15-24 YEARS	18	151	14	124
106	189	37	66	25-34 YEARS	53	433	24	214
192	348	87	156	35-44 YEARS	69	737	61	627
360	914	166	406	45-54 YEARS	122	1,495	99	1,243
572	2,037	280	843	55-64 YEARS	200	4,080	130	2,644
985	3,943	585	2,034	65-74 YEARS	151	5,338	116	4,053
837	8,085	703	5,909	75-84 YEARS	56	9,761	37	4,153
306	18,975	405	16,423	85+	14	7,650	11	4,120
0		1		UNKNOWN	2		1	
3,788	1,009	2,510	573	TOTAL*	853	1,377	611	990
2,122	5,945	1,693	3,926	65+ *	221	5,586	164	4,085
				ORLANDO, FLA.		TOTAL DEATHS =	7,762	
				PATERSON-CLIFTON-PASSAIC, N.J.				
625	1,836	452	1,368	-28 DAYS	63	2,431	56	2,659
805	2,365	574	1,737	-1 YEAR	89	3,434	82	3,894
915	520	671	397	0-4 YEARS	106	1,143	102	1,115
117	36	78	25	5-14 YEARS	7	55	6	45
204	120	78	41	15-24 YEARS	17	189	9	79
227	112	159	70	25-34 YEARS	25	252	33	258
642	242	490	168	35-44 YEARS	73	796	52	506
1,874	813	1,013	439	45-54 YEARS	101	1,585	80	1,104
3,423	2,134	1,900	1,126	55-64 YEARS	132	3,548	95	2,207
4,543	4,854	3,494	3,019	65-74 YEARS	83	4,689	73	3,366
3,422	10,334	3,836	8,131	75-84 YEARS	39	7,386	66	8,696
1,091	19,916	1,870	19,388	85+	14	12,963	23	15,333
2		0		UNKNOWN	1		0	
16,460	1,075	13,579	730	TOTAL*	549	1,339	539	1,075
9,056	7,233	9,200	5,368	65+ *	136	5,908	162	5,529
				PATERSON-CLIFTON-PASSAIC, N.J.		TOTAL DEATHS =	31,176	
				PENSACOLA, FLA.				
144	2,000	89	1,212	-28 DAYS	70	2,961	61	2,816
200	2,778	127	1,729	-1 YEAR	113	4,780	101	4,663
233	708	148	468	0-4 YEARS	134	1,381	108	1,115
30	57	15	29	5-14 YEARS	10	71	12	88
77	165	19	49	15-24 YEARS	20	228	11	123
74	207	40	108	25-34 YEARS	30	445	24	285
123	371	56	167	35-44 YEARS	40	663	56	775
233	1,012	91	399	45-54 YEARS	86	1,796	73	1,312
326	2,373	136	927	55-64 YEARS	108	3,863	101	2,905
362	4,433	232	2,456	65-74 YEARS	112	6,875	104	4,647
307	9,802	305	7,685	75-84 YEARS	56	7,713	39	4,887
92	18,814	171	18,567	85+	16	11,111	15	7,246
0		0		UNKNOWN	0		1	
1,857	1,134	1,213	673	TOTAL*	612	1,566	544	1,151
761	6,742	708	4,823	65+ *	184	7,348	158	4,860
				PENSACOLA, FLA.		TOTAL DEATHS =	4,226	
				PEORIA, ILL.				
190	1,892	133	1,332	-28 DAYS	19	2,905	15	2,525
242	2,409	178	1,783	-1 YEAR	25	3,823	20	3,367
271	554	207	440	0-4 YEARS	25	970	23	867
40	49	39	49	5-14 YEARS	0	0	2	50
79	156	32	58	15-24 YEARS	5	261	2	86
90	162	46	82	25-34 YEARS	3	169	4	173
177	327	101	180	35-44 YEARS	10	510	8	390
393	798	272	453	45-54 YEARS	15	1,099	19	1,433
770	2,071	399	1,053	55-64 YEARS	20	2,356	13	1,531
1,081	4,844	730	2,652	65-74 YEARS	34	7,039	22	3,685
977	10,482	987	7,517	75-84 YEARS	24	13,559	16	8,205
373	20,967	575	18,717	85+	5	9,259	6	11,111
1		0		UNKNOWN	0		0	
4,252	1,105	3,338	699	TOTAL*	161	1,395	115	987
2,431	7,326	2,292	4,915	65+ *	63	8,988	44	5,367
				PEORIA, ILL.		TOTAL DEATHS =	7,846	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				PHILADELPHIA, PA.-N.J.				
2,430	2,027	1,721	1,509	-28 DAYS	884	3,233	888	2,907
3,083	2,572	2,176	1,908	-1 YEAR	1,386	4,507	1,187	3,886
3,505	908	2,606	642	0-4 YEARS	1,556	1,141	1,305	950
446	45	262	27	5-14 YEARS	148	71	106	51
641	92	322	47	15-24 YEARS	185	154	138	95
839	121	577	81	25-34 YEARS	402	296	364	213
2,408	307	1,624	196	35-44 YEARS	876	638	696	469
6,495	970	3,675	499	45-54 YEARS	1,624	1,578	1,306	1,128
12,307	2,475	7,172	1,302	55-64 YEARS	2,432	3,207	1,944	2,426
17,550	5,370	13,368	3,243	65-74 YEARS	2,262	5,756	1,762	4,061
13,209	11,925	14,775	8,628	75-84 YEARS	1,087	8,916	1,142	7,299
4,480	23,038	7,612	20,632	85+	386	17,364	457	13,076
21		7		UNKNOWN	6		7	
61,901	1,219	51,670	800	TOTAL*	10,972	1,419	9,183	1,062
35,239	8,084	35,735	5,792	65+ *	3,735	7,292	3,341	5,460
				PHILADELPHIA, PA.-N.J.	TOTAL DEATHS =	133,726		
				PHOENIX, ARIZ.				
519	2,009	370	1,608	-28 DAYS	67	2,799	46	1,993
727	2,816	535	2,324	-1 YEAR	116	4,845	81	3,668
877	754	659	591	0-4 YEARS	136	1,448	94	1,013
125	61	65	33	5-14 YEARS	10	78	6	46
229	178	77	40	15-24 YEARS	22	278	17	200
229	183	121	97	25-34 YEARS	29	423	30	407
480	363	325	243	35-44 YEARS	56	980	31	508
1,012	955	486	476	45-54 YEARS	88	1,663	46	952
1,657	2,510	709	1,021	55-64 YEARS	109	3,010	57	1,981
2,208	4,581	1,058	2,166	65-74 YEARS	91	3,850	64	3,858
1,440	9,052	1,140	6,498	75-84 YEARS	62	7,176	31	5,090
437	17,851	546	16,836	85+	18	11,765	20	15,504
13		6		UNKNOWN	1		1	
8,936	1,133	5,212	657	TOTAL*	422	1,337	397	1,000
4,094	6,576	2,744	4,201	65+ *	171	5,431	115	4,856
				PHOENIX, ARIZ.	TOTAL DEATHS =	14,967		
				PITTSBURGH, PA.				
1,305	1,823	1,032	1,508	-28 DAYS	228	3,330	193	2,880
1,628	2,276	1,270	1,856	-1 YEAR	301	4,397	261	3,806
1,870	519	1,446	417	0-4 YEARS	345	1,128	284	936
265	41	140	27	5-14 YEARS	37	72	17	33
413	111	186	43	15-24 YEARS	46	158	29	86
551	134	342	82	25-34 YEARS	103	360	97	282
1,620	334	1,022	195	35-44 YEARS	201	675	186	537
4,126	996	2,218	515	45-54 YEARS	433	1,626	360	1,302
7,030	2,387	4,042	1,291	55-64 YEARS	799	3,229	547	2,516
11,110	5,296	7,771	3,369	65-74 YEARS	805	6,037	466	4,007
8,688	10,752	8,190	8,431	75-84 YEARS	422	10,171	310	7,752
2,650	21,790	3,807	19,265	85+	122	19,236	125	13,706
7		6		UNKNOWN	1		0	
38,334	1,178	29,096	789	TOTAL*	3,314	1,493	2,419	1,116
22,448	7,729	19,448	5,644	65+ *	1,349	7,879	901	5,599
				PITTSBURGH, PA.	TOTAL DEATHS =	73,163		
				PITTSFIELD, MASS.				
94	1,939	47	1,089	-28 DAYS	2	3,030	1	1,667
120	2,475	44	1,511	-1 YEAR	3	4,545	1	1,667
133	575	71	350	0-4 YEARS	3	952	1	333
11	27	11	28	5-14 YEARS	0	0	0	0
42	168	14	59	15-24 YEARS	0	0	0	0
42	175	13	51	25-34 YEARS	0	0	1	256
76	266	70	232	35-44 YEARS	2	694	0	0
230	927	139	504	45-54 YEARS	4	1,488	1	397
460	2,313	291	1,085	55-64 YEARS	8	4,403	4	2,516
698	5,185	573	3,044	65-74 YEARS	3	2,632	7	6,963
612	11,129	678	7,452	75-84 YEARS	7	19,444	9	10,345
258	23,243	407	19,271	85+	2	7,407	2	11,111
0		4		UNKNOWN	0		0	
2,537	1,184	2,116	722	TOTAL*	29	1,452	25	1,080
1,565	7,862	1,558	5,188	65+ *	12	7,404	18	8,075
				PITTSFIELD, MASS.	TOTAL DEATHS =	4,707		
				PORTLAND, MAINE				
147	2,249	107	1,671	-28 DAYS	1	1,852	0	0
195	3,083	141	2,202	-1 YEAR	1	1,852	0	0
227	788	166	543	0-4 YEARS	1	483	0	0
35	66	20	40	5-14 YEARS	0	0	0	0
60	130	18	49	15-24 YEARS	0	0	0	0
67	156	32	97	25-34 YEARS	0	0	0	0
106	310	83	226	35-44 YEARS	1	775	0	0
299	891	170	516	45-54 YEARS	3	2,941	0	0
554	2,336	317	1,190	55-64 YEARS	4	5,128	1	1,333
976	5,433	641	2,911	65-74 YEARS	5	6,944	2	2,778
807	10,709	896	7,841	75-84 YEARS	3	25,000	2	11,111
330	21,915	605	20,370	85+	1	16,667	1	11,111
8		4		UNKNOWN	1		0	
3,330	1,208	2,962	769	TOTAL*	19	2,099	6	631
2,022	7,696	2,142	5,270	65+ *	9	12,542	5	5,577
				PORTLAND, MAINE	TOTAL DEATHS =	6,316		
				PORTLAND, OREG.-WASH.				
490	1,898	316	1,307	-28 DAYS	16	1,282	23	2,050
667	2,624	489	1,815	-1 YEAR	27	2,163	37	3,298
778	631	515	438	0-4 YEARS	30	584	38	695
132	55	65	28	5-14 YEARS	10	120	4	50
216	163	122	66	15-24 YEARS	9	211	3	62
220	177	130	93	25-34 YEARS	17	373	16	303
615	526	372	189	35-44 YEARS	61	781	17	313
1,967	914	665	440	45-54 YEARS	65	1,392	26	461
2,478	2,224	1,208	1,019	55-64 YEARS	91	3,283	31	1,517
3,968	4,738	2,479	2,544	65-74 YEARS	76	4,977	33	2,902
3,680	10,273	3,196	7,039	75-84 YEARS	67	7,532	33	8,971
1,358	23,812	1,760	18,761	85+	20	17,944	7	19,406
8		1		UNKNOWN	2		0	
14,704	1,148	10,389	675	TOTAL*	408	1,305	206	867
9,006	7,957	7,345	4,712	65+ *	163	6,297	73	5,005
				PORTLAND, OREG.-WASH.	TOTAL DEATHS =	25,707		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS — ALL CAUSES

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				PROVIDENCE, R.I.				
410	1,834	313	1,680	-28 DAYS	18	2,143	21	2,465
552	2,470	402	1,903	-1 YEAR	27	3,214	30	3,521
623	575	470	449	0-4 YEARS	33	910	33	994
86	45	61	27	5-14 YEARS	0	0	4	82
116	96	90	38	15-24 YEARS	7	227	3	88
140	116	93	72	25-34 YEARS	10	330	10	284
427	291	275	175	35-44 YEARS	6	226	16	563
1,176	931	683	491	45-54 YEARS	24	1,515	15	810
2,401	2,415	1,380	1,196	55-64 YEARS	61	2,058	28	2,047
3,554	5,171	2,687	3,113	65-74 YEARS	82	7,966	39	4,333
2,732	10,681	3,215	8,298	75-84 YEARS	44	10,784	29	6,713
984	21,080	1,649	19,822	85+	13	18,861	17	18,280
6		6		UNKNOWN	0		0	
12,238	1,150	10,547	762	TOTAL*	260	1,499	194	1,065
7,270	7,605	7,551	5,501	65+ *	139	9,351	85	5,782
				PROVIDENCE, R.I.	TOTAL DEATHS =	23,249		
				PROVO-OREM, UTAH				
88	1,800	49	1,011	-28 DAYS	0	0	0	0
101	2,065	47	1,382	-1 YEAR	0	0	0	0
121	524	83	386	0-4 YEARS	0	0	1	1,333
16	48	17	47	5-14 YEARS	0	0	0	0
33	111	16	48	15-24 YEARS	0	0	0	0
33	159	13	48	25-34 YEARS	0	0	0	0
46	277	29	172	35-44 YEARS	0	0	1	1,852
94	668	67	343	45-54 YEARS	0	0	0	0
146	1,586	102	1,101	55-64 YEARS	1	6,667	0	0
231	4,111	190	2,307	65-74 YEARS	0	0	0	0
209	8,652	238	8,079	75-84 YEARS	2	13,333	0	0
79	10,082	115	17,747	85+	0	-	0	0
1		0		UNKNOWN	0		0	
1,011	935	810	668	TOTAL*	3	-	2	400
519	6,279	503	4,789	65+ *	2	-	0	0
				PROVO-OREM, UTAH	TOTAL DEATHS =	1,826		
				PUEBLO, COLO.				
100	2,341	63	1,473	-28 DAYS	3	2,941	2	1,587
140	3,277	93	2,174	-1 YEAR	6	5,882	2	1,587
161	753	110	522	0-4 YEARS	6	1,250	2	463
22	58	10	27	5-14 YEARS	2	220	1	125
42	206	18	80	15-24 YEARS	3	602	2	407
33	155	23	103	25-34 YEARS	2	390	0	0
77	342	56	241	35-44 YEARS	2	397	2	425
148	765	81	428	45-54 YEARS	4	973	3	926
255	1,883	119	869	55-64 YEARS	6	2,151	5	1,488
346	3,457	245	2,566	65-74 YEARS	11	4,264	10	3,663
347	7,773	302	5,510	75-84 YEARS	11	7,632	9	5,556
139	14,898	215	15,170	85+	3	8,333	4	19,048
0		0		UNKNOWN	0		0	
1,570	931	1,197	623	TOTAL*	50	1,169	38	891
832	5,307	782	4,094	65+ *	25	5,434	23	5,056
				PUEBLO, COLO.	TOTAL DEATHS =	2,855		
				RACINE, WIS.				
99	1,753	93	1,847	-28 DAYS	8	2,020	8	1,709
138	2,444	126	2,503	-1 YEAR	16	3,535	11	2,350
158	618	139	549	0-4 YEARS	17	1,077	15	929
21	48	13	31	5-14 YEARS	1	49	0	0
38	164	12	47	15-24 YEARS	3	264	2	152
26	100	20	77	25-34 YEARS	1	73	3	211
62	234	35	127	35-44 YEARS	0	0	6	676
158	714	109	490	45-54 YEARS	8	1,368	4	784
358	2,101	182	1,013	55-64 YEARS	10	3,436	3	1,266
562	4,538	375	2,744	65-74 YEARS	11	8,168	3	2,500
468	10,156	444	7,551	75-84 YEARS	3	6,250	6	14,286
154	19,298	240	21,138	85+	1	- - -	1	- - -
0		1		UNKNOWN	0		0	
2,005	1,050	1,590	718	TOTAL*	55	- - -	43	- - -
1,186	6,938	1,079	5,121	65+ *	15	- - -	10	- - -
				RACINE, WIS.	TOTAL DEATHS =	3,693		
				RALEIGH, N.C.				
69	1,552	57	1,622	-28 DAYS	71	3,958	59	3,214
85	1,912	68	1,697	-1 YEAR	118	6,577	96	5,229
96	487	80	421	0-4 YEARS	137	1,611	107	1,266
15	43	9	27	5-14 YEARS	10	62	12	75
30	91	16	53	15-24 YEARS	25	234	9	79
49	163	19	45	25-34 YEARS	65	583	38	429
94	360	44	164	35-44 YEARS	77	1,030	56	667
204	1,045	77	374	45-54 YEARS	108	1,782	60	926
286	2,291	190	1,020	55-64 YEARS	165	3,750	103	2,238
328	4,472	238	2,460	65-74 YEARS	137	5,715	117	3,869
277	10,282	291	6,978	75-84 YEARS	90	10,309	61	5,633
87	18,710	138	16,667	85+	25	14,881	38	12,541
1		0		UNKNOWN	0		1	
1,467	1,100	1,062	639	TOTAL*	799	1,662	602	1,061
692	6,896	667	4,571	65+ *	252	7,515	216	4,849
				RALEIGH, N.C.	TOTAL DEATHS =	3,930		
				READING, PA.				
159	2,032	116	1,536	-28 DAYS	11	5,556	7	2,713
199	2,563	144	1,906	-1 YEAR	14	7,071	9	3,488
238	627	171	470	0-4 YEARS	20	1,961	9	906
31	45	27	40	5-14 YEARS	3	183	0	0
55	127	22	44	15-24 YEARS	5	557	1	97
67	136	46	87	25-34 YEARS	3	350	3	269
163	288	117	193	35-44 YEARS	5	573	4	410
469	879	263	471	45-54 YEARS	11	1,594	5	700
882	2,142	587	1,260	55-64 YEARS	16	2,707	9	1,563
1,406	4,955	1,017	3,068	65-74 YEARS	18	6,250	17	6,439
1,728	10,976	1,255	8,624	75-84 YEARS	6	6,897	7	6,863
373	20,119	570	20,148	85+	2	11,111	4	19,048
0		0		UNKNOWN	0		0	
4,917	1,131	4,045	783	TOTAL*	89	1,491	59	1,091
3,007	7,490	2,842	5,581	65+ *	26	6,704	28	7,265
				READING, PA.	TOTAL DEATHS =	9,105		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				RENO, NEV.				
69	2,250	45	1,603	-28 DAYS	7	2,381	4	1,852
39	2,914	40	2,137	-1 YEAR	10	3,401	8	3,704
102	777	70	554	0-4 YEARS	11	1,455	8	910
18	80	10	46	5-14 YEARS	1	101	0	0
28	180	14	87	15-24 YEARS	2	262	1	136
44	266	18	105	25-34 YEARS	5	526	0	0
89	478	42	220	35-44 YEARS	12	1,646	5	821
190	1,213	103	664	45-54 YEARS	11	2,037	8	1,802
290	2,731	92	990	55-64 YEARS	8	1,852	7	2,593
389	5,857	149	2,507	65-74 YEARS	9	5,455	1	761
299	11,603	206	7,257	75-84 YEARS	6	8,696	4	12,121
96	25,806	105	24,648	85+	3	20,000	2	16,667
2		1		UNKNOWN	1		0	
1,565	1,395	808	757	TOTAL*	69	1,564	36	1,107
784	8,586	458	5,079	65+ *	18	7,178	7	4,819
				RENO, NEV.	TOTAL DEATHS =	2,478		
				RICHMOND, VA.				
216	2,130	136	1,437	-28 DAYS	106	2,404	115	2,601
266	2,623	170	1,707	-1 YEAR	163	3,696	164	3,709
302	642	200	445	0-4 YEARS	193	928	192	927
41	50	27	34	5-14 YEARS	18	53	17	51
66	127	36	58	15-24 YEARS	26	125	16	64
96	153	60	91	25-34 YEARS	69	346	52	220
218	326	111	159	35-44 YEARS	175	844	143	606
561	1,050	250	435	45-54 YEARS	322	1,859	249	1,332
909	2,581	462	1,052	55-64 YEARS	415	3,840	352	2,750
1,111	5,245	852	2,791	65-74 YEARS	492	7,106	421	5,068
885	11,157	1,179	7,946	75-84 YEARS	211	9,701	198	6,735
319	22,037	589	19,117	85+	44	9,910	59	11,434
4		1		UNKNOWN	1		1	
4,511	1,231	3,767	714	TOTAL*	1,966	1,573	1,700	1,167
2,314	7,941	2,620	5,14[illegible]	65+ *	747	7,989	678	5,878
				RICHMOND, VA.	TOTAL DEATHS =	11,944		
				ROANOKE, VA.				
87	2,066	75	1,772	-28 DAYS	33	4,622	21	3,017
107	2,540	96	2,191	-1 YEAR	43	6,022	29	4,167
123	575	105	509	0-4 YEARS	47	1,332	33	899
21	53	9	24	5-14 YEARS	2	30	0	0
38	150	15	55	15-24 YEARS	7	217	4	101
54	193	21	70	25-34 YEARS	11	346	10	253
117	394	50	166	35-44 YEARS	32	761	23	541
196	842	118	465	45-54 YEARS	60	1,807	42	1,181
412	2,215	208	999	55-64 YEARS	101	3,640	74	2,580
498	4,440	340	2,613	65-74 YEARS	102	6,204	76	3,940
421	10,065	477	7,496	75-84 YEARS	46	11,275	35	6,410
136	17,708	300	19,763	85+	14	14,141	14	10,145
1		0		UNKNOWN	0		0	
2,014	1,086	1,644	697	TOTAL*	422	1,600	311	1,039
1,055	6,759	1,137	4,942	65+ *	162	8,068	125	4,979
				ROANOKE, VA.	TOTAL DEATHS =	4,411		
				ROCHESTER, N.Y.				
335	1,730	245	1,301	-28 DAYS	47	3,036	19	1,277
428	2,207	301	1,709	-1 YEAR	61	3,941	40	2,688
484	522	336	383	0-4 YEARS	71	1,002	53	741
66	42	42	28	5-14 YEARS	3	37	5	61
89	97	55	53	15-24 YEARS	8	163	4	68
104	103	91	95	25-34 YEARS	17	268	14	204
294	258	184	148	35-44 YEARS	32	657	19	409
742	761	444	446	45-54 YEARS	51	1,745	26	950
1,680	2,167	911	1,061	55-64 YEARS	52	3,052	41	2,598
2,777	5,053	1,932	2,851	65-74 YEARS	38	5,087	24	2,712
2,280	10,306	2,383	7,556	75-84 YEARS	12	5,479	22	7,885
723	20,286	1,433	19,994	85+	[illegible]	17,778	8	15,686
3		1		UNKNOWN	0		0	
9,242	1,085	7,832	703	TOTAL*	292	1,275	216	971
5,780	7,378	5,748	5,130	65+ *	58	5,909	54	4,888
				ROCHESTER, N.Y.	TOTAL DEATHS =	17,582		
				ROCKFORD, ILL.				
164	1,961	115	1,546	-28 DAYS	27	5,556	11	2,619
223	2,666	156	2,097	-1 YEAR	35	7,202	20	4,762
256	681	181	499	0-4 YEARS	37	1,561	20	798
30	48	25	41	5-14 YEARS	5	157	1	30
40	117	12	29	15-24 YEARS	4	255	1	52
49	123	27	65	25-34 YEARS	7	389	5	236
117	286	77	186	35-44 YEARS	13	808	7	422
241	745	127	389	45-54 YEARS	16	1,533	14	1,228
509	2,063	267	1,059	55-64 YEARS	19	3,002	11	1,910
755	4,636	478	2,567	65-74 YEARS	16	5,554	12	3,738
618	9,572	602	7,273	75-84 YEARS	6	6,061	11	9,910
224	23,261	350	18,817	85+	0	0	4	10,256
0		0		UNKNOWN	0		0	
2,830	1,073	2,146	681	TOTAL*	123	1,333	86	1,035
1,597	7,062	1,430	4,796	65+ *	22	5,385	27	5,831
				ROCKFORD, ILL.	TOTAL DEATHS =	5,194		
				SACRAMENTO, CALIF.				
345	1,846	266	1,488	-28 DAYS	35	1,852	14	663
466	2,494	337	1,885	-1 YEAR	54	2,857	24	1,136
536	620	406	490	0-4 YEARS	60	721	32	380
76	57	50	35	5-14 YEARS	4	32	6	48
140	163	53	47	15-24 YEARS	10	140	8	111
148	148	86	88	25-34 YEARS	24	255	18	190
387	359	106	103	35-44 YEARS	66	667	22	292
825	1,056	376	515	45-54 YEARS	66	1,104	33	829
1,382	2,661	571	1,077	55-64 YEARS	98	2,618	37	1,423
1,759	5,471	883	2,613	65-74 YEARS	109	5,458	53	3,248
1,444	11,444	1,086	7,307	75-84 YEARS	86	8,661	26	6,616
406	19,585	631	19,493	85+	20	17,544	8	13,333
3		0		UNKNOWN	0		0	
7,092	1,253	4,286	710	TOTAL*	543	1,219	243	788
3,603	7,934	2,508	4,873	65+ *	215	6,900	87	4,756
				SACRAMENTO, CALIF.	TOTAL DEATHS =	12,164		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				SAGINAW, MICH.				
143	2,062	92	1,371	-28 DAYS	27	4,667	28	2,761
187	2,496	135	2,013	-1 YEAR	39	3,824	37	3,660
217	424	181	456	0-4 YEARS	48	912	41	780
44	78	16	26	5-14 YEARS	6	80	0	0
46	167	19	53	15-24 YEARS	5	180	3	85
39	122	17	42	25-34 YEARS	9	208	12	257
88	272	71	212	35-44 YEARS	20	529	22	619
236	830	137	440	45-54 YEARS	35	1,296	39	1,625
415	2,086	217	1,086	55-64 YEARS	53	3,402	25	1,938
407	4,557	442	3,043	65-74 YEARS	34	5,934	21	3,977
590	11,767	546	7,562	75-84 YEARS	8	6,061	10	5,868
209	21,636	312	21,005	85+	5	27,778	4	8,333
0		0		UNKNOWN	0		0	
2,695	1,116	1,968	740	TOTAL*	220	1,322	173	1,008
1,419	7,986	1,370	5,315	65+ *	47	7,195	35	4,745
				SAGINAW, MICH.	TOTAL DEATHS =		6,034	
				ST. JOSEPH, MO.				
63	2,167	37	1,306	-28 DAYS	6	5,263	4	3,333
81	2,761	46	1,607	-1 YEAR	6	5,263	5	4,167
92	700	66	501	0-4 YEARS	8	1,550	6	1,333
10	43	16	44	5-14 YEARS	0	0	0	0
33	237	13	80	15-24 YEARS	0	0	1	269
34	247	20	133	25-34 YEARS	3	746	3	680
57	360	33	196	35-44 YEARS	2	457	1	201
152	981	81	480	45-54 YEARS	5	1,160	5	992
292	2,146	147	970	55-64 YEARS	12	3,150	17	3,498
450	4,326	327	2,657	65-74 YEARS	16	4,444	22	6,268
496	10,131	520	7,426	75-84 YEARS	15	10,638	19	8,333
199	20,285	279	17,714	85+	4	10,256	4	7,843
0		1		UNKNOWN	0		0	
1,823	1,129	1,509	696	TOTAL*	65	1,330	78	1,355
1,153	6,845	1,176	4,703	65+ *	35	6,904	45	6,936
				ST. JOSEPH, MO.	TOTAL DEATHS =		3,675	
				ST. LOUIS, MO.-ILL.				
1,103	1,876	805	1,326	-28 DAYS	468	3,033	389	2,907
1,498	2,353	1,031	1,609	-1 YEAR	668	4,329	565	3,773
1,724	550	1,186	400	0-4 YEARS	742	1,102	647	954
224	65	149	51	5-14 YEARS	51	52	44	44
384	133	143	43	15-24 YEARS	107	216	52	89
468	138	301	85	25-34 YEARS	192	396	144	221
963	277	696	178	35-44 YEARS	363	763	345	573
2,834	900	1,536	462	45-54 YEARS	779	1,731	647	1,266
4,533	2,317	2,752	1,037	55-64 YEARS	1,194	3,456	961	2,587
7,413	5,175	5,450	2,853	65-74 YEARS	1,237	6,101	921	4,210
6,300	11,016	6,956	7,930	75-84 YEARS	590	8,603	565	6,717
2,106	21,488	3,739	19,603	85+	178	12,597	244	11,822
11		5		UNKNOWN	3		0	
29,160	1,163	22,676	716	TOTAL*	5,436	1,476	4,570	1,096
16,019	7,725	16,152	5,216	65+ *	2,005	7,166	1,730	5,339
				ST. LOUIS, MO.-ILL.	TOTAL DEATHS =		61,040	
				SALT LAKE CITY, UTAH				
248	1,416	216	1,296	-28 DAYS	9	4,167	6	3,571
342	1,953	201	1,760	-1 YEAR	9	4,167	7	4,167
407	495	393	472	0-4 YEARS	10	1,007	8	763
63	40	42	42	5-14 YEARS	2	118	0	0
130	166	62	47	15-24 YEARS	1	92	0	0
102	137	57	77	25-34 YEARS	4	330	2	170
218	321	109	159	35-44 YEARS	8	623	3	277
462	868	236	429	45-54 YEARS	10	1,449	3	581
764	2,015	423	1,049	55-64 YEARS	14	2,496	5	998
1,045	4,363	692	2,478	65-74 YEARS	26	5,253	7	2,222
896	9,210	983	7,165	75-84 YEARS	29	11,111	5	5,556
319	18,953	490	17,801	85+	6	20,000	0	0
2		2		UNKNOWN	0		0	
6,399	1,026	3,617	642	TOTAL*	110	1,370	33	976
2,256	6,538	2,165	4,638	65+ *	61	7,719	12	3,030
				SALT LAKE CITY, UTAH	TOTAL DEATHS =		7,959	
				SAN ANGELO, TEXAS				
42	1,750	30	1,253	-28 DAYS	6	5,556	3	1,351
63	2,625	48	2,005	-1 YEAR	9	8,333	5	2,252
71	685	59	587	0-4 YEARS	10	1,603	8	1,258
11	59	5	27	5-14 YEARS	0	0	1	105
19	126	13	101	15-24 YEARS	0	0	0	0
29	210	13	110	25-34 YEARS	0	0	1	156
41	372	17	146	35-44 YEARS	2	463	1	186
99	1,001	56	502	45-54 YEARS	12	2,878	10	1,773
158	2,097	80	945	55-64 YEARS	20	3,367	10	1,587
213	4,236	156	2,672	65-74 YEARS	9	4,018	11	3,761
164	7,046	174	6,702	75-84 YEARS	2	1,852	2	2,299
75	10,531	97	15,545	85+	2	13,333	2	8,333
0		0		UNKNOWN	0		0	
874	1,066	646	675	TOTAL*	57	1,283	46	881
452	6,133	425	4,514	65+ *	13	4,532	15	3,596
				SAN ANGELO, TEXAS	TOTAL DEATHS =		1,643	
				SAN ANTONIO, TEXAS				
638	2,250	494	1,843	-28 DAYS	64	2,922	51	2,464
913	3,232	730	2,753	-1 YEAR	94	4,292	74	3,575
1,030	820	841	686	0-4 YEARS	110	1,168	84	882
119	56	83	40	5-14 YEARS	3	21	3	22
188	109	90	65	15-24 YEARS	15	113	6	64
203	167	112	88	25-34 YEARS	30	335	22	201
368	315	264	212	35-44 YEARS	55	636	34	341
721	811	494	516	45-54 YEARS	109	1,591	64	802
1,338	2,157	782	1,086	55-64 YEARS	156	3,437	137	2,494
1,775	4,573	1,259	2,582	65-74 YEARS	189	6,170	151	4,317
1,390	9,040	1,445	6,609	75-84 YEARS	71	7,915	81	5,882
480	18,492	801	16,646	85+	22	14,379	34	8,995
0		0		UNKNOWN	0		0	
7,627	1,089	6,101	705	TOTAL*	760	1,417	616	956
3,654	6,786	3,525	4,573	65+ *	282	7,119	266	5,017
				SAN ANTONIO, TEXAS	TOTAL DEATHS =		15,194	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				SAN BERNARDINO-RIVERSIDE-ONTARIO, CALIF.				
587	2,010	382	1,421	-28 DAYS	61	2,682	38	2,974
824	2,845	539	2,006	-1 YEAR	88	3,870	72	3,692
960	695	624	475	0-4 YEARS	99	1,075	83	937
107	46	87	38	5-14 YEARS	12	97	9	75
262	162	108	71	15-24 YEARS	17	175	6	78
303	202	136	93	25-34 YEARS	36	341	14	156
490	315	207	191	35-44 YEARS	63	604	30	478
982	809	575	446	45-54 YEARS	58	1,035	45	992
1,850	2,053	974	942	55-64 YEARS	76	1,889	54	1,899
3,116	4,264	1,747	2,205	65-74 YEARS	93	4,740	45	2,483
2,602	8,810	2,181	6,317	75-84 YEARS	63	6,068	46	6,183
944	18,944	1,299	18,765	85+	24	17,021	26	13,131
7		2		UNKNOWN	3		2	
11,623	1,033	7,978	639	TOTAL*	500	1,106	360	874
6,662	6,346	5,227	4,286	65+ *	160	5,795	117	4,116
				SAN BERNARDINO-RIVERSIDE-ONTARIO, CALIF. TOTAL DEATHS = 20,461				
				SAN DIEGO, CALIF.				
757	2,048	542	1,490	-28 DAYS	95	4,410	66	1,876
982	2,657	734	2,018	-1 YEAR	137	3,475	89	2,527
1,139	668	852	527	0-4 YEARS	149	1,079	102	769
157	57	76	28	5-14 YEARS	8	47	3	18
372	111	106	57	15-24 YEARS	24	108	14	121
310	146	178	92	25-34 YEARS	63	265	23	155
575	276	416	200	35-44 YEARS	44	403	38	379
1,191	832	741	506	45-54 YEARS	50	813	42	763
1,934	2,047	1,077	1,015	55-64 YEARS	80	2,175	48	1,528
2,827	4,321	1,880	2,340	65-74 YEARS	80	4,452	53	3,078
2,470	9,499	2,406	6,549	75-84 YEARS	53	8,923	34	5,877
953	20,146	1,439	17,622	85+	18	17,647	20	14,493
0		0		UNKNOWN	0		0	
11,922	1,045	9,149	662	TOTAL*	569	1,111	377	808
6,250	6,657	5,725	4,376	65+ *	151	6,443	107	4,500
				SAN DIEGO, CALIF. TOTAL DEATHS = 22,017				
				SAN FRANCISCO-OAKLAND, CALIF.				
1,511	1,913	964	1,295	-28 DAYS	388	2,361	329	2,023
1,971	2,496	1,275	1,713	-1 YEAR	512	3,115	429	2,638
2,279	620	1,478	418	0-4 YEARS	582	812	477	669
278	42	207	33	5-14 YEARS	83	72	36	32
612	132	261	53	15-24 YEARS	81	126	58	85
774	159	495	95	25-34 YEARS	178	234	120	142
1,788	336	1,176	212	35-44 YEARS	371	469	301	372
4,315	952	2,519	536	45-54 YEARS	634	1,028	378	769
7,647	2,265	3,944	1,117	55-64 YEARS	793	2,077	398	1,512
10,663	5,016	6,667	2,638	65-74 YEARS	714	4,555	375	2,892
9,481	10,224	8,919	7,506	75-84 YEARS	399	7,936	247	6,058
2,722	21,537	4,846	19,387	85+	116	15,912	91	11,962
8		2		UNKNOWN	2		2	
39,547	1,150	30,672	715	TOTAL*	3,953	1,081	2,483	777
21,866	7,401	20,432	4,940	65+ *	1,229	6,138	713	4,286
				SAN FRANCISCO-OAKLAND, CALIF. TOTAL DEATHS = 76,655				
				SAN JOSE, CALIF.				
442	1,686	363	1,429	-28 DAYS	21	1,768	13	1,282
581	2,216	450	1,875	-1 YEAR	29	2,441	18	1,775
669	549	529	456	0-4 YEARS	31	717	20	480
107	53	58	30	5-14 YEARS	2	31	3	50
162	129	87	44	15-24 YEARS	10	226	2	44
188	140	111	82	25-34 YEARS	8	153	4	74
394	287	214	156	35-44 YEARS	21	435	11	244
760	806	398	432	45-54 YEARS	16	476	6	299
1,133	2,013	607	986	55-64 YEARS	35	1,539	16	949
1,598	4,276	1,045	2,205	65-74 YEARS	25	2,637	27	3,000
1,486	9,462	1,442	6,372	75-84 YEARS	63	7,544	11	4,074
529	19,167	863	16,026	85+	17	22,667	6	9,524
1		1		UNKNOWN	0		0	
7,005	1,019	5,325	613	TOTAL*	208	858	106	568
3,611	6,563	3,350	4,146	65+ *	85	5,134	44	3,667
				SAN JOSE, CALIF. TOTAL DEATHS = 12,644				
				SANTA BARBARA, CALIF.				
101	1,605	85	1,415	-28 DAYS	5	1,667	7	2,201
139	2,208	115	1,915	-1 YEAR	9	3,000	10	3,145
161	576	137	516	0-4 YEARS	9	750	10	799
20	43	18	40	5-14 YEARS	1	63	0	0
60	161	26	74	15-24 YEARS	5	239	0	0
57	162	31	99	25-34 YEARS	4	230	3	228
107	311	59	182	35-44 YEARS	6	581	5	501
219	866	110	415	45-54 YEARS	12	798	3	429
360	1,071	205	1,002	55-64 YEARS	18	2,034	6	1,242
559	4,265	306	2,367	65-74 YEARS	14	3,733	9	3,000
441	8,254	499	6,270	75-84 YEARS	13	8,176	3	2,857
191	20,148	289	17,050	85+	5	- - -	3	12,500
1		3		UNKNOWN	0		0	
2,176	1,007	1,771	642	TOTAL*	87	- - -	42	666
1,191	8,272	1,182	4,270	65+ *	32	- - -	15	3,493
				SANTA BARBARA, CALIF. TOTAL DEATHS = 4,076				
				SAVANNAH, GA.				
142	2,653	70	1,355	-28 DAYS	90	3,219	64	2,172
170	3,345	87	1,684	-1 YEAR	136	4,864	100	3,396
198	829	109	476	0-4 YEARS	164	1,301	113	859
24	64	7	19	5-14 YEARS	22	101	13	58
38	142	21	76	15-24 YEARS	32	238	23	153
44	162	16	59	25-34 YEARS	44	447	51	414
96	359	51	190	35-44 YEARS	129	1,222	116	863
224	1,153	91	462	45-54 YEARS	250	2,574	237	2,046
304	2,621	156	1,103	55-64 YEARS	328	4,934	326	4,186
400	5,777	282	2,842	65-74 YEARS	234	5,900	228	4,587
277	11,899	327	7,764	75-84 YEARS	75	7,042	90	5,146
77	19,154	156	17,849	85+	18	8,333	28	7,588
1		0		UNKNOWN	0		0	
1,681	1,315	1,216	717	TOTAL*	1,296	1,730	1,225	1,349
754	8,241	765	5,062	65+ *	327	6,356	346	4,912
				SAVANNAH, GA. TOTAL DEATHS = 5,418				

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				SCRANTON, PA.				
134	2,074	118	1,900	-28 DAYS	3	4,167	0	0
175	2,708	157	2,528	-1 YEAR	3	4,167	0	0
206	647	177	574	0-4 YEARS	5	3,546	0	0
27	44	21	36	5-14 YEARS	0	0	0	0
48	126	26	60	15-24 YEARS	0	0	0	0
61	167	43	101	25-34 YEARS	0	0	1	629
207	432	135	285	35-44 YEARS	2	1,258	0	0
569	1,259	267	526	45-54 YEARS	0	0	1	709
1,054	3,002	658	1,580	55-64 YEARS	2	1,754	3	2,439
1,669	6,419	1,348	4,168	65-74 YEARS	9	8,108	4	3,333
1,075	12,425	1,179	9,364	75-84 YEARS	6	28,571	4	14,815
276	19,574	479	21,289	85+	1	- - -	3	- - -
1		1		UNKNOWN	0		0	
5,193	1,399	4,354	936	TOTAL*	25	- - -	16	- - -
3,020	8,838	3,006	6,582	65+ *	16	- - -	11	- - -
				SCRANTON, PA.	TOTAL DEATHS =	9,588		
				SEATTLE, WASH.				
685	1,895	450	1,278	-28 DAYS	59	2,434	38	1,463
941	2,603	618	1,756	-1 YEAR	92	3,795	58	2,232
1,070	593	709	409	0-4 YEARS	103	933	65	582
152	48	93	31	5-14 YEARS	14	82	7	41
217	119	114	55	15-24 YEARS	15	160	8	80
309	151	146	73	25-34 YEARS	45	396	22	179
744	334	631	190	35-44 YEARS	76	608	47	389
1,616	881	892	490	45-54 YEARS	84	846	35	570
2,986	2,323	1,350	994	55-64 YEARS	155	2,485	54	1,379
4,460	4,821	2,775	2,595	65-74 YEARS	[illegible]	4,013	59	2,369
4,161	10,137	3,864	7,510	75-84 YEARS	137	7,970	45	5,906
1,588	23,716	1,946	19,249	85+	51	23,944	28	15,819
2		4		UNKNOWN	0		1	
17,305	1,139	12,324	690	TOTAL*	811	1,164	371	725
10,209	7,360	8,585	4,906	65+ *	319	6,239	132	4,114
				SEATTLE, WASH.	TOTAL DEATHS =	30,811		
				SHREVEPORT, LA.				
148	2,191	111	1,816	-28 DAYS	174	3,737	116	2,408
190	2,812	145	2,372	-1 YEAR	242	5,198	175	3,632
217	639	168	508	0-4 YEARS	269	1,252	204	966
26	42	19	35	5-14 YEARS	35	97	19	53
68	196	27	67	15-24 YEARS	49	246	26	121
64	156	34	80	25-34 YEARS	61	458	39	214
130	330	67	147	35-44 YEARS	94	761	74	451
319	1,109	119	392	45-54 YEARS	155	1,337	148	1,030
486	2,465	210	937	55-64 YEARS	242	2,420	242	2,107
519	4,531	313	2,167	65-74 YEARS	360	4,930	382	4,346
419	9,540	465	7,377	75-84 YEARS	259	9,107	230	6,615
171	21,429	241	17,388	85+	109	16,460	117	12,662
0		0		UNKNOWN	0		0	
2,415	1,147	1,663	646	TOTAL*	1,633	1,360	1,481	1,028
1,109	6,881	1,019	4,479	65+ *	728	6,745	729	5,467
				SHREVEPORT, LA.	TOTAL DEATHS =	7,192		
				SIOUX CITY, IOWA				
91	2,173	67	1,810	-28 DAYS	3	2,500	2	2,222
113	2,698	91	2,458	-1 YEAR	6	5,000	2	2,222
131	717	112	635	0-4 YEARS	6	1,259	3	633
13	39	6	19	5-14 YEARS	0	0	0	0
37	200	12	56	15-24 YEARS	1	321	0	0
28	157	21	110	25-34 YEARS	0	0	3	730
63	339	35	178	35-44 YEARS	3	901	2	629
176	1,064	89	500	45-54 YEARS	3	1,031	5	2,222
288	1,952	139	838	55-64 YEARS	5	2,525	6	2,857
554	4,871	387	3,061	65-74 YEARS	3	2,176	5	3,623
470	9,988	305	6,970	75-84 YEARS	2	3,333	3	4,762
722	22,492	246	19,385	85+	3	- - -	1	11,111
1		0		UNKNOWN	0		0	
1,983	1,146	1,442	719	TOTAL*	26	- - -	28	1,154
1,246	7,291	1,028	5,071	65+ *	8	- - -	9	4,362
				SIOUX CITY, IOWA	TOTAL DEATHS =	3,479		
				SIOUX FALLS, S. DAK.				
65	1,788	46	1,282	-28 DAYS	1	3,333	0	0
81	2,228	59	1,644	-1 YEAR	1	3,333	0	0
94	558	68	418	0-4 YEARS	1	1,449	0	0
23	82	7	26	5-14 YEARS	0	0	0	0
31	205	13	69	15-24 YEARS	0	0	0	0
29	179	17	102	25-34 YEARS	0	0	0	0
42	256	28	173	35-44 YEARS	0	0	0	0
116	936	51	300	45-54 YEARS	0	0	0	0
200	1,969	102	932	55-64 YEARS	2	8,333	0	0
301	4,155	198	2,302	65-74 YEARS	0	0	1	4,762
275	9,460	207	5,698	75-84 YEARS	0	0	0	0
124	21,906	145	17,787	85+	2	22,222	2	13,333
0		1		UNKNOWN	0		0	
1,235	1,052	827	604	TOTAL*	5	1,003	3	361
700	6,602	540	4,119	65+ *	2	1,247	3	3,910
				SIOUX FALLS, S. DAK.	TOTAL DEATHS =	2,070		
				SOUTH BEND, IND.				
139	1,010	97	1,356	-28 DAYS	26	3,052	20	3,467
183	2,514	126	1,742	-1 YEAR	31	3,636	39	5,200
207	563	147	419	0-4 YEARS	36	1,056	46	1,321
40	58	29	44	5-14 YEARS	8	147	1	19
60	122	20	47	15-24 YEARS	3	126	1	36
57	138	33	75	25-34 YEARS	11	461	8	268
143	310	82	172	35-44 YEARS	17	433	12	412
317	825	205	519	45-54 YEARS	26	1,273	22	1,030
557	1,889	310	1,022	55-64 YEARS	34	2,258	24	1,923
851	4,764	631	3,009	65-74 YEARS	46	6,336	21	2,724
754	11,126	774	8,586	75-84 YEARS	31	12,302	24	10,811
769	20,566	343	19,340	85+	4	10,256	4	10,256
2		1		UNKNOWN	0		0	
3,257	1,096	2,505	750	TOTAL*	216	1,410	163	1,029
1,874	7,431	1,768	5,487	65+ *	81	8,225	49	5,409
				SOUTH BEND, IND.	TOTAL DEATHS =	6,231		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 9 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				SPOKANE, WASH.				
193	1,925	182	1,653	-28 DAYS	7	2,482	10	3,401
253	2,423	202	2,196	-1 YEAR	11	3,901	14	4,762
288	614	236	526	0-4 YEARS	12	885	15	1,176
54	65	20	25	5-14 YEARS	0	0	1	58
75	142	35	62	15-24 YEARS	2	152	1	86
79	164	41	82	25-34 YEARS	3	231	4	278
174	326	88	158	35-44 YEARS	6	535	5	497
434	951	205	454	45-54 YEARS	7	819	4	771
756	2,271	330	959	55-64 YEARS	19	3,480	7	1,587
1,187	4,526	673	2,298	65-74 YEARS	17	5,060	8	2,778
1,206	9,196	1,046	7,047	75-84 YEARS	23	12,568	11	10,786
505	20,556	548	17,418	85+	7	- - -	5	20,833
4		2		UNKNOWN	1		0	
4,761	1,003	3,266	653	TOTAL*	97	- - -	61	1,036
2,806	6,731	2,287	4,476	65+ *	67	- - -	24	6,031
				SPOKANE, WASH.	TOTAL DEATHS =		8,163	
				SPRINGFIELD, ILL.				
115	2,230	86	1,840	-28 DAYS	7	4,536	11	3,459
137	2,667	109	2,332	-1 YEAR	13	4,710	15	4,717
143	620	122	549	0-4 YEARS	16	1,235	18	1,429
18	45	8	21	5-14 YEARS	1	54	0	0
34	153	16	50	15-24 YEARS	0	0	1	81
35	147	18	68	25-34 YEARS	10	958	3	262
92	352	45	153	35-44 YEARS	8	687	6	504
247	987	163	513	45-54 YEARS	20	2,123	5	457
460	2,366	243	1,079	55-64 YEARS	16	1,954	15	1,608
737	5,486	487	2,803	65-74 YEARS	30	6,173	30	9,263
627	10,347	640	7,877	75-84 YEARS	23	8,070	32	10,356
276	25,443	376	20,271	85+	16	31,373	15	20,000
0		0		UNKNOWN	0		0	
2,650	1,221	2,116	736	TOTAL*	138	1,532	125	1,199
1,660	7,987	1,521	5,203	65+ *	69	8,118	77	7,515
				SPRINGFIELD, ILL.	TOTAL DEATHS =		5,066	
				SPRINGFIELD, MO.				
66	1,519	62	1,449	-28 DAYS	1	1,062	1	1,190
82	1,972	71	1,979	-1 YEAR	6	4,167	3	3,571
97	507	79	445	0-4 YEARS	5	1,217	4	932
16	42	18	49	5-14 YEARS	1	151	0	0
37	163	16	56	15-24 YEARS	0	0	1	227
37	164	15	43	25-34 YEARS	2	298	0	0
98	430	44	182	35-44 YEARS	6	684	3	662
181	908	91	425	45-54 YEARS	5	1,182	4	1,150
316	2,059	167	808	55-64 YEARS	11	3,216	8	2,168
578	4,782	333	2,291	65-74 YEARS	18	7,163	16	5,333
566	9,770	593	6,707	75-84 YEARS	15	12,195	7	5,556
255	23,098	316	17,526	85+	2	7,407	6	14,286
2		0		UNKNOWN	0		0	
2,181	1,111	1,610	626	TOTAL*	63	1,503	49	1,087
1,390	7,206	1,182	4,342	65+ *	35	8,971	29	5,898
				SPRINGFIELD, MO.	TOTAL DEATHS =		3,903	
				SPRINGFIELD, OHIO				
71	1,763	58	1,539	-28 DAYS	10	2,252	10	2,381
86	2,111	70	1,858	-1 YEAR	13	2,928	14	3,333
97	496	79	419	0-4 YEARS	13	540	18	695
10	27	9	22	5-14 YEARS	1	25	1	25
22	102	17	69	15-24 YEARS	6	301	4	172
40	196	16	71	25-34 YEARS	4	194	7	284
67	278	49	193	35-44 YEARS	14	651	11	417
173	865	91	446	45-54 YEARS	27	1,408	21	982
330	2,276	148	1,080	55-64 YEARS	47	3,271	43	2,884
487	4,870	373	2,618	65-74 YEARS	57	5,460	34	2,785
467	10,062	484	7,317	75-84 YEARS	40	10,667	41	7,966
180	16,438	253	15,588	85+	15	20,833	24	18,605
0		0		UNKNOWN	0		0	
1,873	1,078	1,488	671	TOTAL*	224	1,382	204	1,036
1,134	6,972	1,040	4,680	65+ *	112	7,779	99	5,116
				SPRINGFIELD, OHIO	TOTAL DEATHS =		3,789	
				SPRINGFIELD-HOLYOKE, MASS.				
362	2,001	211	1,296	-28 DAYS	26	2,068	15	1,562
464	2,597	288	1,769	-1 YEAR	37	4,195	20	2,123
498	593	323	403	0-4 YEARS	41	1,032	26	658
50	34	39	28	5-14 YEARS	6	116	7	136
95	100	63	60	15-24 YEARS	2	55	5	141
124	136	66	68	25-34 YEARS	6	160	7	166
344	314	212	187	35-44 YEARS	15	500	14	486
768	883	424	447	45-54 YEARS	19	1,149	20	1,095
1,536	2,296	886	1,141	55-64 YEARS	23	2,222	27	2,366
[illegible]	4,960	1,840	2,960	65-74 YEARS	30	6,103	30	4,149
1,938	10,786	2,048	7,459	75-84 YEARS	24	10,811	30	9,091
710	21,995	1,185	19,175	85+	4	11,111	13	22,807
11		5		UNKNOWN	0		0	
8,494	1,146	7,047	715	TOTAL*	179	1,268	179	1,143
5,070	7,546	5,073	5,116	65+ *	67	7,702	73	6,579
				SPRINGFIELD-HOLYOKE, MASS.	TOTAL DEATHS =		15,919	
				STEUBENVILLE-WEIRTON, OHIO-W. VA.				
108	1,990	75	1,504	-28 DAYS	16	5,556	3	1,163
150	2,769	103	2,046	-1 YEAR	23	9,127	5	1,938
174	656	116	492	0-4 YEARS	26	1,888	9	637
32	65	17	36	5-14 YEARS	2	79	2	82
38	130	20	62	15-24 YEARS	3	187	2	127
51	171	13	41	25-34 YEARS	3	248	3	232
124	376	79	222	35-44 YEARS	8	665	3	218
280	954	145	499	45-54 YEARS	17	1,601	19	1,628
461	2,190	247	1,281	55-64 YEARS	34	2,738	28	2,854
776	5,453	459	3,323	65-74 YEARS	42	7,778	23	4,356
627	10,914	535	9,025	75-84 YEARS	11	6,968	9	5,172
209	23,068	235	19,342	85+	6	22,222	7	33,333
0		0		UNKNOWN	0		0	
2,772	1,212	1,846	807	TOTAL*	152	1,557	105	1,172
1,612	7,969	1,279	5,817	65+ *	59	8,264	59	6,211
				STEUBENVILLE-WEIRTON, OHIO-W. VA.	TOTAL DEATHS =		4,895	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

_E 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				STOCKTON, CALIF.				
127	1,685	110	1,605	-28 DAYS	26	2,851	13	1,329
166	2,203	146	2,131	-1 YEAR	34	3,728	16	1,636
202	579	170	503	0-4 YEARS	37	801	18	391
41	60	17	29	5-14 YEARS	9	104	3	38
75	158	28	63	15-24 YEARS	7	149	3	78
81	194	36	88	25-34 YEARS	14	383	6	143
192	411	100	214	35-44 YEARS	28	563	12	260
429	1,033	177	470	45-54 YEARS	54	731	30	1,058
765	2,537	262	939	55-64 YEARS	102	1,893	23	1,209
1,090	4,733	552	2,535	65-74 YEARS	96	3,970	26	2,287
912	9,441	625	6,574	75-84 YEARS	86	9,101	20	5,952
301	20,773	355	18,753	85+	32	24,442	6	9,091
5		0		UNKNOWN	2		0	
4,093	1,158	2,324	669	TOTAL*	467	1,108	147	682
2,303	6,950	1,532	4,575	65+ *	214	6,543	52	3,694
				STOCKTON, CALIF.	TOTAL DEATHS =		7,031	
				SYRACUSE, N.Y.				
342	1,846	202	1,403	-28 DAYS	29	3,059	14	1,852
498	2,406	387	1,953	-1 YEAR	42	4,630	20	2,646
569	574	435	442	0-4 YEARS	45	1,142	25	670
108	66	57	37	5-14 YEARS	5	104	3	62
143	136	41	46	15-24 YEARS	5	161	5	137
132	128	86	78	25-34 YEARS	14	363	7	179
298	274	211	185	35-44 YEARS	23	831	12	460
790	890	460	480	45-54 YEARS	39	2,170	17	1,032
1,638	2,369	869	1,187	55-64 YEARS	35	3,214	25	2,654
2,533	5,102	1,797	3,133	65-74 YEARS	16	2,996	16	3,556
2,100	10,768	2,190	8,162	75-84 YEARS	16	8,002	9	4,000
844	23,405	1,377	21,036	85+	4	12,121	7	11,111
2		3		UNKNOWN	1		0	
9,157	1,169	7,514	770	TOTAL*	203	1,325	126	918
5,477	7,715	5,364	5,544	65+ *	36	5,077	32	4,104
				SYRACUSE, N.Y.	TOTAL DEATHS =		17,000	
				TACOMA, WASH.				
230	2,082	165	1,361	-28 DAYS	31	2,719	28	2,244
293	2,653	195	1,830	-1 YEAR	52	4,561	40	3,205
334	682	231	487	0-4 YEARS	63	1,422	45	1,014
44	40	27	31	5-14 YEARS	2	39	0	0
65	77	25	41	15-24 YEARS	6	105	2	71
93	157	45	101	25-34 YEARS	12	240	8	169
182	295	133	271	35-44 YEARS	10	269	14	516
460	923	228	490	45-54 YEARS	14	771	7	725
829	2,292	428	1,134	55-64 YEARS	21	2,811	9	1,408
1,304	4,734	746	2,456	65-74 YEARS	21	5,385	7	1,867
1,276	10,515	1,046	7,249	75-84 YEARS	21	11,864	8	6,838
469	21,386	679	20,800	85+	7	29,167	3	11,111
2		2		UNKNOWN	0		0	
5,058	1,136	3,948	706	TOTAL*	177	1,370	103	769
3,049	7,286	2,419	4,827	65+ *	49	8,932	18	3,776
				TACOMA, WASH.	TOTAL DEATHS =		8,886	
				TAMPA-ST. PETERSBURG, FLA.				
455	2,419	283	1,560	-28 DAYS	164	3,644	121	2,619
544	2,892	349	1,924	-1 YEAR	246	5,467	194	4,199
647	720	472	491	0-4 YEARS	286	1,407	218	1,071
95	57	49	30	5-14 YEARS	26	93	13	46
139	135	57	52	15-24 YEARS	36	133	26	131
166	155	87	77	25-34 YEARS	71	401	60	308
452	374	224	168	35-44 YEARS	143	930	124	719
1,067	978	571	495	45-54 YEARS	248	1,916	220	1,502
2,371	2,276	1,172	856	55-64 YEARS	406	4,294	317	3,313
5,303	4,020	2,686	1,979	65-74 YEARS	290	5,823	231	4,290
3,960	8,109	2,967	5,931	75-84 YEARS	86	5,629	77	4,113
1,289	18,245	1,445	16,223	85+	37	10,193	31	6,798
0		1		UNKNOWN	1		1	
15,489	1,041	9,661	586	TOTAL*	1,630	1,500	1,318	1,148
10,552	5,962	7,078	3,884	65+ *	413	5,846	339	4,381
				TAMPA-ST. PETERSBURG, FLA.	TOTAL DEATHS =		28,098	
				TERRE HAUTE, IND.				
62	1,976	46	1,452	-28 DAYS	7	3,431	7	3,070
93	2,964	65	2,052	-1 YEAR	11	5,392	8	3,509
114	730	75	491	0-4 YEARS	11	1,082	11	1,230
14	50	5	18	5-14 YEARS	3	223	0	0
30	148	15	70	15-24 YEARS	5	455	1	99
29	171	16	92	25-34 YEARS	3	262	0	0
90	456	48	225	35-44 YEARS	4	515	5	575
188	1,110	108	572	45-54 YEARS	13	1,783	13	1,464
375	2,546	201	1,213	55-64 YEARS	17	2,733	16	2,319
550	5,066	409	3,049	65-74 YEARS	29	5,061	26	4,736
586	11,463	611	9,292	75-84 YEARS	21	9,333	15	6,098
235	27,199	277	20,160	85+	5	20,833	9	18,750
2		1		UNKNOWN	0		1	
2,222	1,290	1,747	811	TOTAL*	111	1,431	97	1,144
1,380	8,084	1,297	5,740	65+ *	55	7,142	50	5,903
				TERRE HAUTE, IND.	TOTAL DEATHS =		4,197	
				TEXARKANA, TEXAS-ARK.				
24	1,320	33	1,839	-28 DAYS	18	1,961	16	1,606
34	1,870	36	2,007	-1 YEAR	27	2,941	26	2,610
39	398	63	465	0-4 YEARS	34	737	33	718
14	67	8	39	5-14 YEARS	2	25	3	36
21	168	10	77	15-24 YEARS	13	335	2	65
25	225	9	73	25-34 YEARS	12	456	13	352
52	377	26	176	35-44 YEARS	19	616	20	509
112	853	68	352	45-54 YEARS	38	1,144	32	826
215	2,152	111	1,011	55-64 YEARS	81	2,681	61	1,897
276	4,065	180	2,407	65-74 YEARS	121	5,399	78	3,202
245	8,987	265	7,101	75-84 YEARS	73	8,031	55	6,194
85	17,172	103	13,106	85+	23	12,169	22	8,730
0		0		UNKNOWN	0		0	
1,084	1,005	783	631	TOTAL*	416	1,239	319	869
606	6,066	528	4,321	65+ *	217	6,916	155	4,349
				TEXARKANA, TEXAS-ARK.	TOTAL DEATHS =		2,602	

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				TOLEDO, OHIO				
273	1,927	197	1,429	-28 DAYS	58	2,984	44	2,095
353	2,492	262	1,901	-1 YEAR	72	3,704	63	3,000
412	577	313	463	0-4 YEARS	83	865	71	713
68	56	42	36	5-14 YEARS	7	47	12	81
89	131	36	47	15-24 YEARS	13	181	3	34
110	148	74	96	25-34 YEARS	29	352	23	226
265	324	192	222	35-44 YEARS	45	557	41	450
739	1,010	375	493	45-54 YEARS	85	1,297	75	1,141
1,443	2,432	691	1,120	55-64 YEARS	146	3,156	101	2,333
2,051	5,175	1,357	2,938	65-74 YEARS	135	5,428	88	3,364
1,609	11,251	1,654	7,833	75-84 YEARS	73	9,182	54	6,406
560	23,304	922	21,735	85+	14	9,150	33	15,714
0		0		UNKNOWN	1		0	
7,346	1,212	5,656	757	TOTAL*	631	1,291	501	977
4,220	7,892	3,933	5,363	65+ *	222	6,688	175	4,908
				TOLEDO, OHIO	TOTAL DEATHS =	14,134		
				TOPEKA, KANS.				
92	1,611	68	1,289	-28 DAYS	11	2,183	10	1,961
114	1,996	98	1,858	-1 YEAR	15	2,976	14	2,745
123	498	113	476	0-4 YEARS	20	846	16	774
14	39	8	23	5-14 YEARS	2	64	2	66
42	155	12	42	15-24 YEARS	7	330	2	92
35	123	25	91	25-34 YEARS	5	235	1	44
68	269	46	187	35-44 YEARS	9	563	12	688
164	883	78	381	45-54 YEARS	15	1,031	14	960
299	1,883	145	810	55-64 YEARS	35	2,832	23	1,584
456	4,307	342	2,489	65-74 YEARS	55	6,152	33	3,216
415	8,919	472	6,558	75-84 YEARS	25	8,333	19	5,367
205	19,358	207	16,695	85+	13	11,404	17	19,540
0		1		UNKNOWN	0		1	
1,821	996	1,539	623	TOTAL*	186	1,274	140	896
1,076	6,442	1,111	4,425	65+ *	93	7,057	69	4,734
				TOPEKA, KANS.	TOTAL DEATHS =	3,686		
				TRENTON, N.J.				
124	1,862	87	1,289	-28 DAYS	60	3,610	37	2,083
151	2,267	176	1,867	-1 YEAR	67	4,031	57	3,209
174	533	137	428	0-4 YEARS	82	1,127	66	920
32	54	22	39	5-14 YEARS	11	102	6	55
49	102	20	46	15-24 YEARS	13	197	4	51
52	116	31	69	25-34 YEARS	29	327	26	292
182	352	85	156	35-44 YEARS	41	531	45	626
439	978	192	421	45-54 YEARS	61	1,227	42	899
823	2,571	416	1,172	55-64 YEARS	80	2,622	77	2,507
1,183	5,611	877	3,347	65-74 YEARS	104	6,744	54	3,586
845	10,698	872	8,153	75-84 YEARS	41	9,491	37	7,906
241	22,192	442	20,045	85+	16	15,238	18	12,500
1		2		UNKNOWN	0		0	
4,021	1,205	3,096	762	TOTAL*	478	1,393	375	1,053
2,269	7,832	2,191	5,629	65+ *	161	7,990	109	5,295
				TRENTON, N.J.	TOTAL DEATHS =	7,970		
				TUCSON, ARIZ.				
208	2,080	163	1,652	-28 DAYS	36	4,082	24	2,985
280	2,799	203	2,058	-1 YEAR	63	7,143	41	5,100
316	700	238	548	0-4 YEARS	69	1,938	50	1,297
47	60	38	50	5-14 YEARS	1	17	2	35
94	167	48	87	15-24 YEARS	15	357	9	248
97	205	49	102	25-34 YEARS	21	647	13	387
196	403	93	177	35-44 YEARS	30	1,060	15	547
366	931	203	486	45-54 YEARS	29	1,252	15	635
700	2,529	343	1,089	55-64 YEARS	46	2,449	24	1,527
1,007	5,041	502	2,471	65-74 YEARS	53	4,935	33	3,915
604	10,325	476	6,304	75-84 YEARS	23	6,667	26	8,414
150	17,065	220	16,667	85+	8	9,333	13	13,542
8		1		UNKNOWN	1		3	
3,583	1,184	2,209	671	TOTAL*	296	1,369	203	1,043
1,761	7,196	1,196	4,332	65+ *	86	5,610	72	5,714
				TUCSON, ARIZ.	TOTAL DEATHS =	6,291		
				TULSA, OKLA.				
219	1,708	190	1,617	-28 DAYS	51	2,769	30	1,736
293	2,285	276	1,924	-1 YEAR	76	4,126	53	3,067
361	568	248	438	0-4 YEARS	87	1,051	60	749
61	52	41	37	5-14 YEARS	3	23	14	105
95	142	46	58	15-24 YEARS	14	233	9	114
103	133	73	87	25-34 YEARS	29	491	24	302
235	296	154	190	35-44 YEARS	38	663	30	403
628	1,011	301	454	45-54 YEARS	77	1,424	63	976
968	2,122	496	969	55-64 YEARS	119	2,504	93	1,746
1,339	4,718	817	2,343	65-74 YEARS	137	4,526	127	4,074
1,245	10,959	1,096	7,170	75-84 YEARS	101	9,199	76	6,349
491	22,177	678	18,203	85+	43	17,063	59	15,733
1		4		UNKNOWN	2		4	
5,525	1,138	3,924	661	TOTAL*	652	1,290	559	972
3,075	7,444	2,541	4,584	65+ *	281	6,537	262	5,365
				TULSA, OKLA.	TOTAL DEATHS =	10,660		
				TUSCALOOSA, ALA.				
46	1,902	39	1,574	-28 DAYS	45	3,247	28	2,254
63	2,605	46	1,856	-1 YEAR	73	5,467	54	4,368
69	597	52	457	0-4 YEARS	79	1,126	68	967
9	43	10	49	5-14 YEARS	14	116	9	75
26	116	8	38	15-24 YEARS	21	303	18	229
42	259	8	50	25-34 YEARS	23	434	19	302
43	286	28	193	35-44 YEARS	39	770	36	672
91	698	39	307	45-54 YEARS	57	1,453	55	1,174
147	1,445	65	709	55-64 YEARS	87	3,208	73	2,304
182	3,050	115	1,637	65-74 YEARS	121	4,568	89	3,977
187	7,734	203	6,283	75-84 YEARS	57	6,835	63	6,956
56	14,905	86	13,782	85+	27	13,846	25	14,368
0		1		UNKNOWN	27		26	
851	850	615	530	TOTAL*	552	1,470	481	1,114
424	5,032	404	3,618	65+ *	205	7,037	177	5,393
				TUSCALOOSA, ALA.	TOTAL DEATHS =	2,499		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				TYLER, TEXAS				
37	1,846	20	1,062	-28 DAYS	42	3,535	29	2,894
37	1,846	27	1,433	-1 YEAR	60	5,051	49	4,890
46	481	38	422	0-4 YEARS	67	1,391	58	1,211
6	32	7	39	5-14 YEARS	6	75	3	37
13	114	3	24	15-24 YEARS	10	189	5	87
14	122	7	55	25-34 YEARS	13	360	17	395
55	429	17	127	35-44 YEARS	15	468	21	550
100	868	41	335	45-54 YEARS	42	1,188	38	959
177	2,055	77	812	55-64 YEARS	61	2,239	49	1,823
235	4,393	127	2,036	65-74 YEARS	89	4,986	60	2,924
227	10,934	198	6,911	75-84 YEARS	64	6,241	34	4,376
85	23,226	112	19,145	85+	21	14,286	18	10,169
0		0		UNKNOWN	0		0	
958	1,099	627	594	TOTAL*	368	1,178	303	893
547	7,280	437	4,360	65+ *	154	5,859	112	3,737
				TYLER, TEXAS		TOTAL DEATHS =	2,256	
				UTICA-ROME, N.Y.				
256	2,229	183	1,671	-28 DAYS	14	4,094	13	3,495
321	2,810	232	2,096	-1 YEAR	21	6,140	16	4,301
367	683	267	503	0-4 YEARS	24	1,835	18	1,402
52	55	32	35	5-14 YEARS	1	52	1	59
79	137	42	71	15-24 YEARS	2	182	2	173
80	130	37	62	25-34 YEARS	2	159	3	222
177	263	129	183	35-44 YEARS	4	408	6	683
482	858	270	471	45-54 YEARS	15	1,986	8	1,618
958	2,263	524	1,137	55-64 YEARS	8	1,990	6	1,695
1,724	5,167	1,181	3,073	65-74 YEARS	5	2,222	5	2,778
1,405	10,026	1,343	7,397	75-84 YEARS	9	12,500	3	4,762
578	20,924	773	16,602	85+	0	0	3	20,000
1		4		UNKNOWN	0		0	
5,900	1,139	4,602	774	TOTAL*	70	1,176	55	1,019
3,704	7,411	3,297	5,042	65+ *	14	4,073	11	4,299
				UTICA-ROME, N.Y.		TOTAL DEATHS =	10,627	
				WACO, TEXAS				
87	1,973	86	2,141	-28 DAYS	32	2,383	27	2,308
102	2,313	100	2,548	-1 YEAR	67	4,234	40	3,419
120	590	111	582	0-4 YEARS	59	1,205	48	979
20	57	9	26	5-14 YEARS	2	24	8	97
38	127	15	53	15-24 YEARS	9	197	6	116
30	121	17	70	25-34 YEARS	15	399	7	189
88	338	35	146	35-44 YEARS	25	679	18	429
165	793	97	451	45-54 YEARS	52	1,490	38	968
337	2,088	159	881	55-64 YEARS	79	2,992	61	2,017
527	4,630	370	2,445	65-74 YEARS	101	4,495	110	4,391
446	10,072	408	6,479	75-84 YEARS	71	8,701	64	6,972
150	20,229	243	18,782	85+	18	10,526	25	8,961
1		0		UNKNOWN	1		0	
1,028	1,077	1,424	647	TOTAL*	432	1,295	387	1,009
1,132	7,028	981	4,490	65+ *	190	6,019	199	5,370
				WACO, TEXAS		TOTAL DEATHS =	4,168	
				WASHINGTON, D.C.-MD.-VA.				
1,107	1,998	876	1,545	-28 DAYS	702	3,195	627	2,640
1,369	2,471	1,016	1,943	-1 YEAR	1,092	4,965	880	3,705
1,543	605	1,143	467	0-4 YEARS	1,200	1,180	968	949
180	42	127	33	5-14 YEARS	90	65	57	37
280	70	179	42	15-24 YEARS	159	162	78	72
371	116	241	83	25-34 YEARS	331	298	321	266
958	275	715	192	35-44 YEARS	771	731	625	560
2,368	907	1,240	448	45-54 YEARS	1,371	1,695	839	998
3,667	2,309	1,889	1,002	55-64 YEARS	1,537	3,272	1,042	2,190
4,050	4,932	3,145	2,618	65-74 YEARS	1,345	6,301	1,176	4,401
3,050	10,691	3,942	7,308	75-84 YEARS	838	10,719	873	7,988
1,098	20,420	2,344	18,242	85+	290	18,179	404	16,244
6		2		UNKNOWN	8		4	
17,554	1,120	14,914	683	TOTAL*	7,089	1,540	6,407	1,095
8,188	7,412	9,431	4,807	65+ *	2,513	8,203	2,453	6,069
				WASHINGTON, D.C.-MD.-VA.		TOTAL DEATHS =	46,864	
				WATERLOO, IOWA				
98	1,334	76	1,679	-28 DAYS	2	696	9	2,459
127	2,[illegible]	98	2,158	-1 YEAR	6	2,083	17	4,645
136	670	115	535	0-4 YEARS	7	929	19	1,365
23	61	14	39	5-14 YEARS	3	153	1	51
22	99	12	45	15-24 YEARS	0	0	1	51
28	116	20	90	25-34 YEARS	1	93	2	171
57	261	40	181	35-44 YEARS	4	457	1	89
150	815	96	500	45-54 YEARS	7	1,538	7	796
234	1,737	145	961	55-64 YEARS	11	2,866	2	333
367	4,059	277	2,590	65-74 YEARS	15	6,757	4	1,223
394	10,080	364	6,715	75-84 YEARS	6	6,061	13	6,566
190	23,720	233	18,651	85+	3	25,000	6	10,256
1		0		UNKNOWN	0		4	10,068
1,603	1,020	1,371	883	TOTAL*	59	1,262	0	
958	6,869	902	4,607	65+ *	24	7,586	61	1,216
				WATERLOO, IOWA		TOTAL DEATHS =	3,026	
				WEST PALM BEACH, FLA.				
109	2,760	77	1,691	-28 DAYS	77	2,903	63	2,458
136	2,467	56	2,044	-1 YEAR	163	5,392	133	5,412
161	573	112	475	0-4 YEARS	171	1,806	152	1,291
30	68	8	21	5-14 YEARS	19	121	11	68
53	203	16	43	15-24 YEARS	31	254	16	150
43	147	27	88	25-34 YEARS	64	339	41	364
111	333	71	197	35-44 YEARS	137	979	72	729
298	367	167	414	45-54 YEARS	168	1,737	92	1,216
598	2,077	316	897	55-64 YEARS	198	3,616	115	2,557
1,026	3,611	514	1,782	65-74 YEARS	108	4,645	78	3,763
744	7,961	541	5,516	75-84 YEARS	35	3,128	12	2,083
219	15,145	294	15,336	85+	11	9,402	3	2,041
7		3		UNKNOWN	1		0	
3,280	976	2,141	558	TOTAL*	825	1,327	592	989
1,989	6,470	1,349	3,547	65+ *	154	4,222	93	3,196
				WEST PALM BEACH, FLA.		TOTAL DEATHS =	6,828	

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TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				WHEELING, W. VA.-OHIO				
127	2,19[illegible]	99	1,774	-28 DAYS	1	521	4	2,899
154	2,657	121	2,168	-1 YEAR	3	1,563	9	6,522
190	463	142	536	0-4 YEARS	4	538	9	1,210
31	60	13	26	5-14 YEARS	1	69	3	201
43	131	10	29	15-24 YEARS	2	199	1	108
41	125	33	98	25-34 YEARS	0	0	2	289
101	277	77	195	35-44 YEARS	5	728	3	383
335	985	171	481	45-54 YEARS	12	1,600	16	2,151
596	2,307	331	1,163	55-64 YEARS	25	3,169	19	2,661
1,006	4,968	701	3,103	65-74 YEARS	25	4,708	16	3,232
1,005	10,229	909	8,136	75-84 YEARS	20	9,950	20	11,905
386	25,197	572	19,931	85+	13	18,841	5	7,576
1		0		UNKNOWN	0		0	
3,720	1,170	2,909	768	TOTAL*	107	1,300	94	1,301
2,393	7,575	2,132	5,496	65+ *	58	6,968	41	5,903
				WHEELING, W. VA.-OHIO TOTAL DEATHS = 6,830				
				WICHITA, KANS.				
274	2,124	176	1,493	-28 DAYS	26	1,892	28	1,867
547	2,692	278	1,934	-1 YEAR	50	3,639	47	3,133
380	606	246	436	0-4 YEARS	58	971	54	878
71	69	40	41	5-14 YEARS	1	13	1	13
61	104	35	52	15-24 YEARS	17	406	2	41
93	130	56	78	25-34 YEARS	15	305	8	145
182	264	97	141	35-44 YEARS	25	649	20	509
380	797	198	398	45-54 YEARS	33	1,359	19	729
673	2,146	314	911	55-64 YEARS	67	2,739	33	2,007
765	4,195	544	2,228	65-74 YEARS	30	3,086	27	2,744
773	10,116	789	6,763	75-84 YEARS	20	5,698	24	6,[illegible]
335	22,112	483	18,463	85+	8	8,081	16	17,204
0		0		UNKNOWN	1		1	
3,730	1,059	2,872	625	TOTAL*	255	1,064	205	872
1,873	6,857	1,816	4,408	65+ *	58	4,097	67	4,550
				WICHITA, KANS. TOTAL DEATHS = 7,012				
				WICHITA FALLS, TEXAS				
80	1,681	61	1,347	-28 DAYS	12	2,410	13	2,610
106	2,228	79	1,744	-1 YEAR	18	3,614	17	3,414
122	551	96	448	0-4 YEARS	21	1,140	17	948
22	65	7	21	5-14 YEARS	4	142	0	0
43	122	14	95	15-24 YEARS	3	116	2	108
48	173	26	101	25-34 YEARS	10	501	2	90
66	284	33	150	35-44 YEARS	12	794	9	570
148	853	78	422	45-54 YEARS	12	964	13	918
242	1,821	112	742	55-64 YEARS	36	3,896	20	1,899
378	4,612	271	2,249	65-74 YEARS	27	4,433	32	5,307
305	9,310	250	5,654	75-84 YEARS	16	8,805	10	5,556
120	10,565	147	17,294	85+	4	11,111	3	11,111
2		0		UNKNOWN	0		0	
1,505	1,032	986	581	TOTAL*	163	1,369	108	1,006
812	6,765	618	4,063	65+ *	45	6,031	45	5,702
				WICHITA FALLS, TEXAS TOTAL DEATHS = 2,740				
				WILKES-BARRE--HAZLETON, PA.				
200	2,174	178	1,656	-28 DAYS	2	2,564	2	3,030
266	2,897	148	1,909	-1 YEAR	2	2,564	2	3,030
310	697	193	447	0-4 YEARS	3	1,538	2	1,170
28	29	38	44	5-14 YEARS	0	0	0	0
76	127	27	42	15-24 YEARS	1	265	0	0
90	163	65	106	25-34 YEARS	0	0	1	444
282	409	178	222	35-44 YEARS	1	556	1	513
911	1,271	309	510	45-54 YEARS	5	4,065	5	2,924
1,662	3,028	923	1,441	55-64 YEARS	13	6,878	6	3,226
2,479	6,722	1,827	4,085	65-74 YEARS	12	11,429	4	3,922
1,444	12,112	1,524	8,947	75-84 YEARS	0	0	2	6,667
387	22,792	608	18,696	85+	2	- - -	2	22,222
0		1		UNKNOWN	0		0	
7,665	1,420	5,783	869	TOTAL*	37	- - -	23	1,400
4,310	9,132	3,959	6,266	65+ *	16	- - -	8	5,717
				WILKES-BARRE--HAZLETON, PA. TOTAL DEATHS = 13,508				
				WILMINGTON, DEL.-N.J.				
214	1,823	145	1,340	-28 DAYS	85	3,881	58	2,648
268	2,282	196	1,793	-1 YEAR	125	5,708	90	4,110
301	921	225	406	0-4 YEARS	138	1,389	104	1,060
59	55	28	30	5-14 YEARS	12	83	9	61
62	109	21	34	15-24 YEARS	20	231	10	109
78	120	47	86	25-34 YEARS	38	444	20	211
212	296	150	202	35-44 YEARS	78	870	59	625
538	964	290	527	45-54 YEARS	128	1,739	93	1,239
836	2,260	443	1,179	55-64 YEARS	173	3,361	125	2,769
1,228	5,272	848	3,076	65-74 YEARS	214	7,257	119	4,288
906	10,755	1,024	8,239	75-84 YEARS	105	10,511	101	10,202
360	22,099	508	20,938	85+	30	16,129	47	23,039
5		0		UNKNOWN	2		1	
6,577	1,162	3,726	767	TOTAL*	938	1,668	683	1,286
2,494	7,751	2,490	5,523	65+ *	349	8,065	267	6,995
				WILMINGTON, DEL.-N.J. TOTAL DEATHS = 9,927				
				WINSTON-SALEM, N.C.				
101	1,906	70	1,468	-28 DAYS	75	3,613	59	3,035
118	2,225	88	1,865	-1 YEAR	118	5,684	89	4,578
136	543	98	412	0-4 YEARS	133	1,508	101	1,123
18	43	15	37	5-14 YEARS	9	59	8	50
36	122	16	47	15-24 YEARS	19	198	12	107
55	150	24	67	25-34 YEARS	52	699	48	531
114	377	32	103	35-44 YEARS	81	1,129	85	959
187	873	98	414	45-54 YEARS	164	2,433	137	1,576
312	2,107	180	1,025	55-64 YEARS	217	4,108	186	2,943
367	4,669	243	2,529	65-74 YEARS	160	5,867	146	4,677
295	10,395	317	7,159	75-84 YEARS	52	8,100	76	7,654
112	23,480	142	15,318	85+	21	15,417	37	16,015
0		0		UNKNOWN	1		0	
1,632	1,116	1,185	638	TOTAL*	909	1,732	836	1,328
776	7,327	722	4,542	65+ *	233	7,017	259	5,901
				WINSTON-SALEM, N.C. TOTAL DEATHS = 4,562				

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)

TABLE 5 1959-1961 TOTAL DEATHS AND DEATH RATES PER 100,000 BY SMSA COLOR AND SEX — ALL CAUSES
NEONATAL AND INFANT DEATHS ARE PER 100,000 LIVE BIRTHS

MALE WHITE DEATHS	MALE WHITE RATE	FEMALE WHITE DEATHS	FEMALE WHITE RATE	AGE	MALE NON-WHITE DEATHS	MALE NON-WHITE RATE	FEMALE NON-WHITE DEATHS	FEMALE NON-WHITE RATE
				WORCESTER, MASS.				
368	1,798	260	1,396	-28 DAYS	6	2,941	3	1,724
476	2,326	346	1,858	-1 YEAR	12	5,882	8	4,598
543	585	388	439	0-4 YEARS	13	1,510	8	991
80	49	56	42	5-14 YEARS	0	0	0	0
149	142	59	55	15-24 YEARS	2	251	0	0
127	131	85	83	25-34 YEARS	2	198	4	402
331	284	213	169	35-44 YEARS	2	290	2	292
925	891	466	432	45-54 YEARS	5	998	5	1,004
1,783	2,241	1,000	1,113	55-64 YEARS	6	1,379	3	752
2,906	4,961	2,174	2,946	65-74 YEARS	12	4,545	7	2,431
2,484	10,448	2,619	7,621	75-84 YEARS	4	3,333	4	3,704
964	21,523	1,501	18,135	85+	2	6,061	9	18,750
5		5		UNKNOWN	1		0	
10,297	1,132	9,526	716	TOTAL*	49	899	42	725
6,354	7,426	6,244	5,107	65+ *	18	4,291	20	3,703
				WORCESTER, MASS.	TOTAL DEATHS =	18,914		
				YORK, PA.				
144	1,342	98	1,361	-28 DAYS	5	1,634	10	3,472
196	2,507	133	1,847	-1 YEAR	11	3,595	14	4,861
230	601	153	415	0-4 YEARS	13	1,008	15	1,121
40	59	29	44	5-14 YEARS	1	49	2	97
72	178	30	68	15-24 YEARS	3	301	2	174
50	113	44	95	25-34 YEARS	5	534	5	412
131	276	82	165	35-44 YEARS	7	725	5	490
329	805	201	478	45-54 YEARS	9	1,351	7	1,106
652	2,070	394	1,167	55-64 YEARS	19	3,105	17	2,848
950	4,647	606	2,844	65-74 YEARS	22	7,261	10	3,236
872	9,957	702	8,072	75-84 YEARS	4	6,061	9	11,111
370	23,747	523	21,391	85+	1	4,167	6	18,182
0		0		UNKNOWN	0		0	
3,696	1,092	3,054	750	TOTAL*	84	1,377	78	1,261
2,192	7,205	2,171	5,361	65+ *	27	6,751	25	6,278
				YORK, PA.	TOTAL DEATHS =	6,912		
				YOUNGSTOWN-WARREN, OHIO				
298	1,846	198	1,319	-28 DAYS	76	3,231	64	3,252
387	2,398	267	1,779	-1 YEAR	108	4,592	87	4,421
438	543	315	412	0-4 YEARS	114	1,112	97	913
81	57	51	38	5-14 YEARS	12	76	2	13
110	144	44	51	15-24 YEARS	10	118	10	104
138	159	81	87	25-34 YEARS	42	430	23	209
315	306	195	182	35-44 YEARS	55	625	45	489
654	830	346	439	45-54 YEARS	78	1,125	64	965
1,225	2,187	776	1,248	55-64 YEARS	174	3,019	135	2,744
2,133	5,025	1,412	3,168	65-74 YEARS	160	5,123	92	3,477
1,669	10,186	1,481	8,102	75-84 YEARS	66	7,971	67	8,460
536	21,630	748	20,321	85+	30	16,667	24	16,000
0		0		UNKNOWN	0		0	
7,299	1,122	5,399	764	TOTAL*	741	1,293	559	1,073
4,338	7,401	3,641	5,511	65+ *	256	6,568	183	5,574
				YOUNGSTOWN-WARREN, OHIO	TOTAL DEATHS =	13,998		
				TOTAL ALL 201 SMSA				
68,371	1,036	48,631	1,452	-28 DAYS	19,708	3,031	15,546	2,431
89,654	2,511	63,841	1,906	-1 YEAR	28,207	4,338	22,669	3,544
101,362	602	73,820	456	0-4 YEARS	32,130	1,135	25,806	910
13,999	49	8,987	32	5-14 YEARS	2,875	68	1,950	45
23,240	122	9,883	50	15-24 YEARS	4,848	191	2,882	99
28,310	144	16,971	84	25-34 YEARS	9,582	360	7,389	238
66,274	318	41,752	191	35-44 YEARS	18,032	709	14,748	524
164,387	943	87,132	478	45-54 YEARS	30,307	1,543	23,205	1,128
297,599	2,297	157,134	1,113	55-64 YEARS	41,913	3,132	32,445	2,374
422,687	5,010	291,326	2,864	65-74 YEARS	40,971	5,765	31,661	4,035
325,389	10,465	340,621	7,783	75-84 YEARS	20,438	8,658	19,124	6,839
112,029	21,477	180,414	19,294	85+	6,605	14,487	8,068	12,513
480		247		UNKNOWN	164		113	
1,559,756	1,151	1,208,302	729	TOTAL*	207,865	1,409	167,391	1,050
860,105	7,460	812,361	5,163	65+ *	68,014	7,064	58,853	5,296
				TOTAL ALL 201 SMSA	TOTAL DEATHS =	3,139,314		

* RATES FOR TOTAL AND 65+ ARE AGE-ADJUSTED (SEE TEXT)